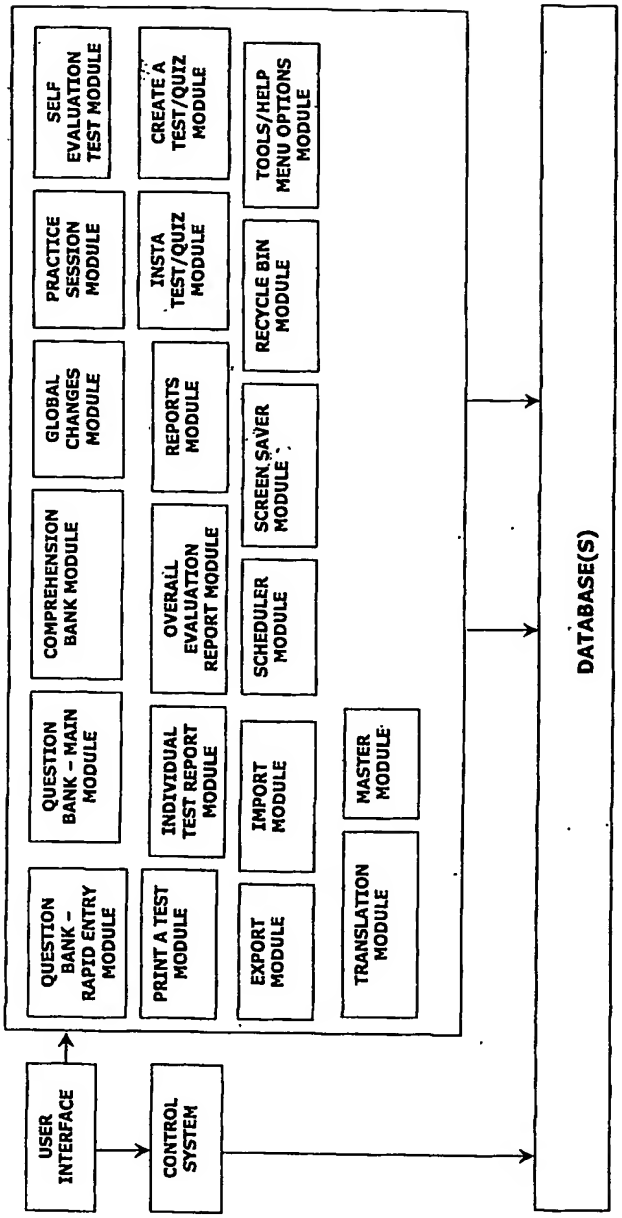

USER INTERFACE
CONTROL SYSTEM
QUESTION BANK - RAPID ENTRY MODULE
PRINT A TEST MODULE
EXPORT MODULE
TRANSLATION MODULE
QUESTION BANK - MAIN MODULE
INDIVIDUAL TEST REPORT MODULE
IMPORT MODULE
MASTER MODULE
COMPREHENSION BANK MODULE
OVERALL EVALUATION REPORT MODULE
SCHEDULER MODULE
GLOBAL CHANGES MODULE
REPORTS MODULE
SCREEN SAVER MODULE
PRACTICE SESSION MODULE
INSTA TEST/QUIZ MODULE
RECYCLE BIN MODULE
SELF EVALUATION TEST MODULE
CREATE A TEST/QUIZ MODULE
TOOLS/HELP MENU OPTIONS MODULE
DATABASE(S)

FIG 1

FIG 2

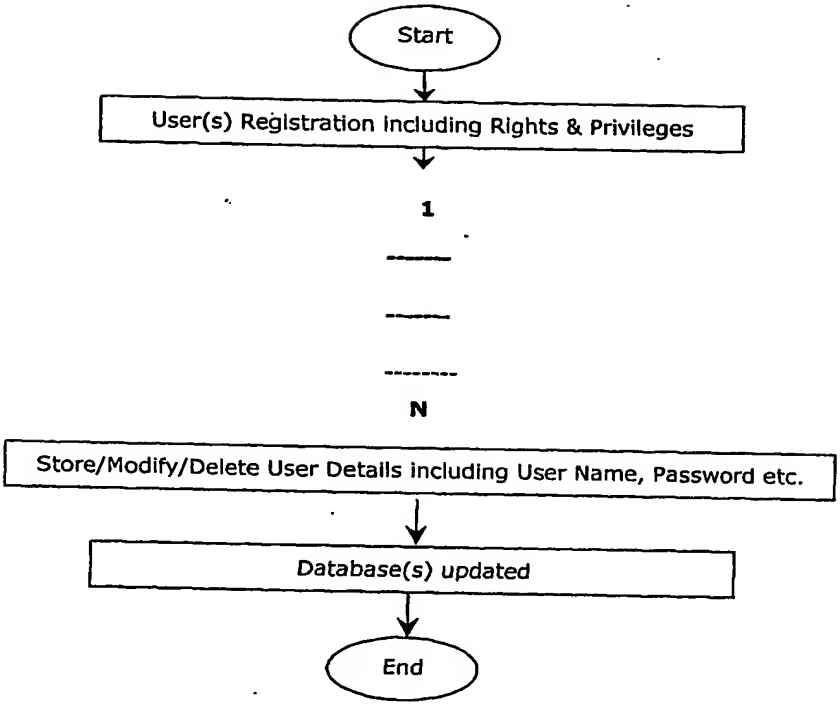

Start
User(s) Registration including Rights & Privileges
1
N
Store/Modify/Delete User Details including User Name, Password etc.
Database(s) updated
End

FIG 3

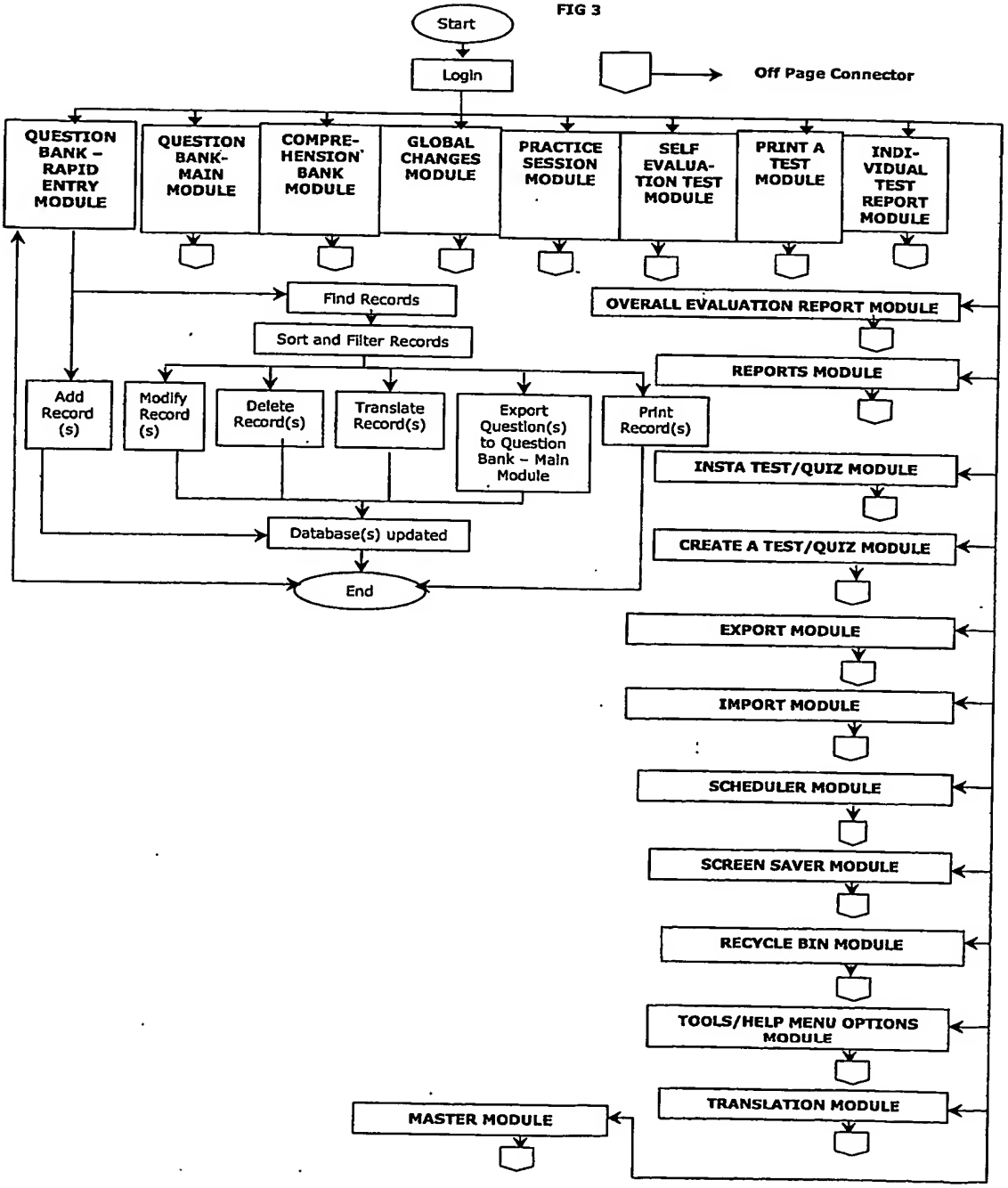

Start
Login
Off Page Connector
QUESTION BANK – RAPID ENTRY MODULE
QUESTION BANK- MAIN MODULE
COMPRE-HENSION BANK MODULE
GLOBAL CHANGES MODULE
PRACTICE SESSION MODULE
SELF EVALUA-TION TEST MODULE
PRINT A TEST MODULE
INDI-VIDUAL TEST REPORT MODULE
Find Records
Sort and Filter Records
OVERALL EVALUATION REPORT MODULE
REPORTS MODULE
Add Record (s)
Modify Record (s)
Delete Record(s)
Translate Record(s)
Export Question(s) to Question Bank – Main Module
Print Record(s)
INSTA TEST/QUIZ MODULE
Database(s) updated
CREATE A TEST/QUIZ MODULE
End
EXPORT MODULE
IMPORT MODULE
SCHEDULER MODULE
SCREEN SAVER MODULE
RECYCLE BIN MODULE
TOOLS/HELP MENU OPTIONS MODULE
TRANSLATION MODULE
MASTER MODULE

FIG 3 (Continued)

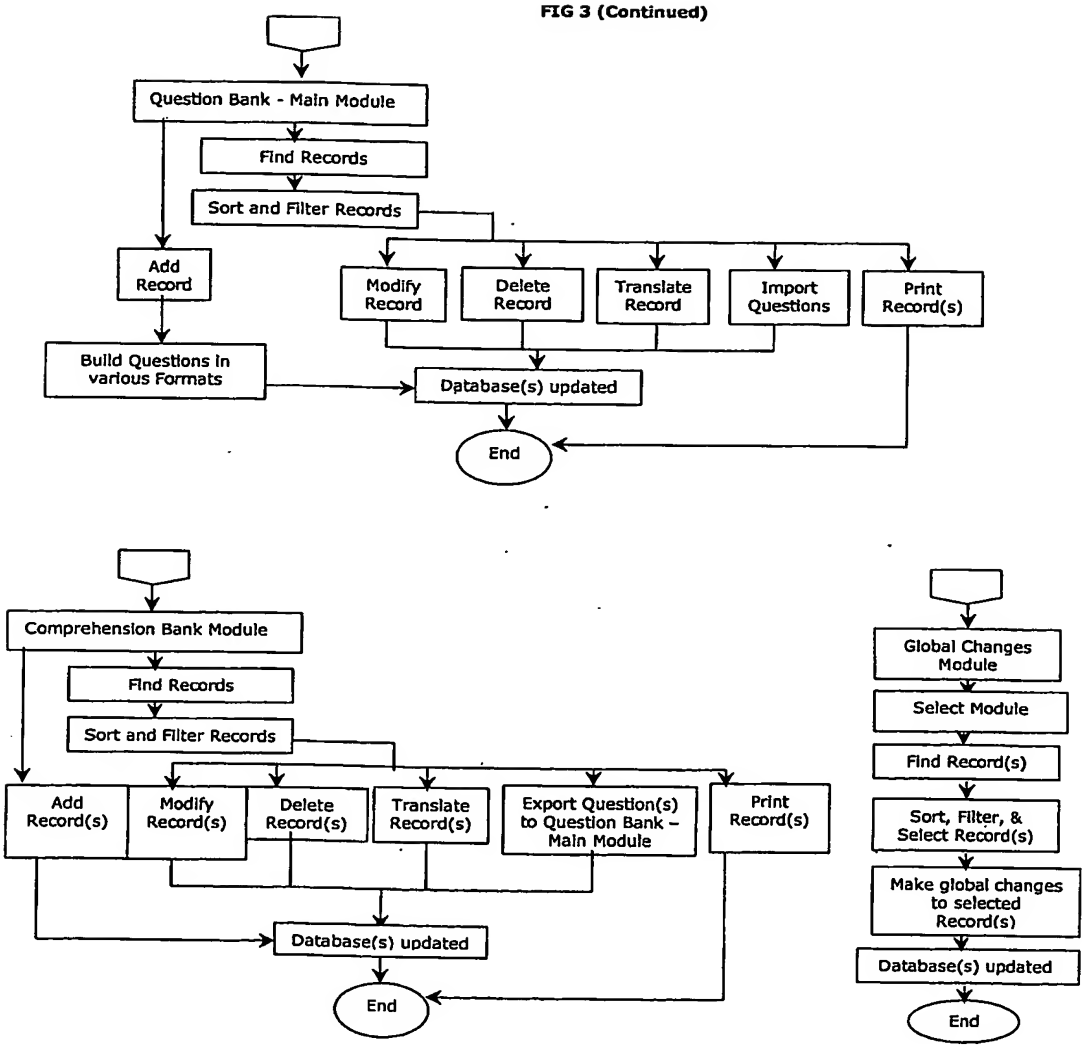


FIG 3 (Continued)

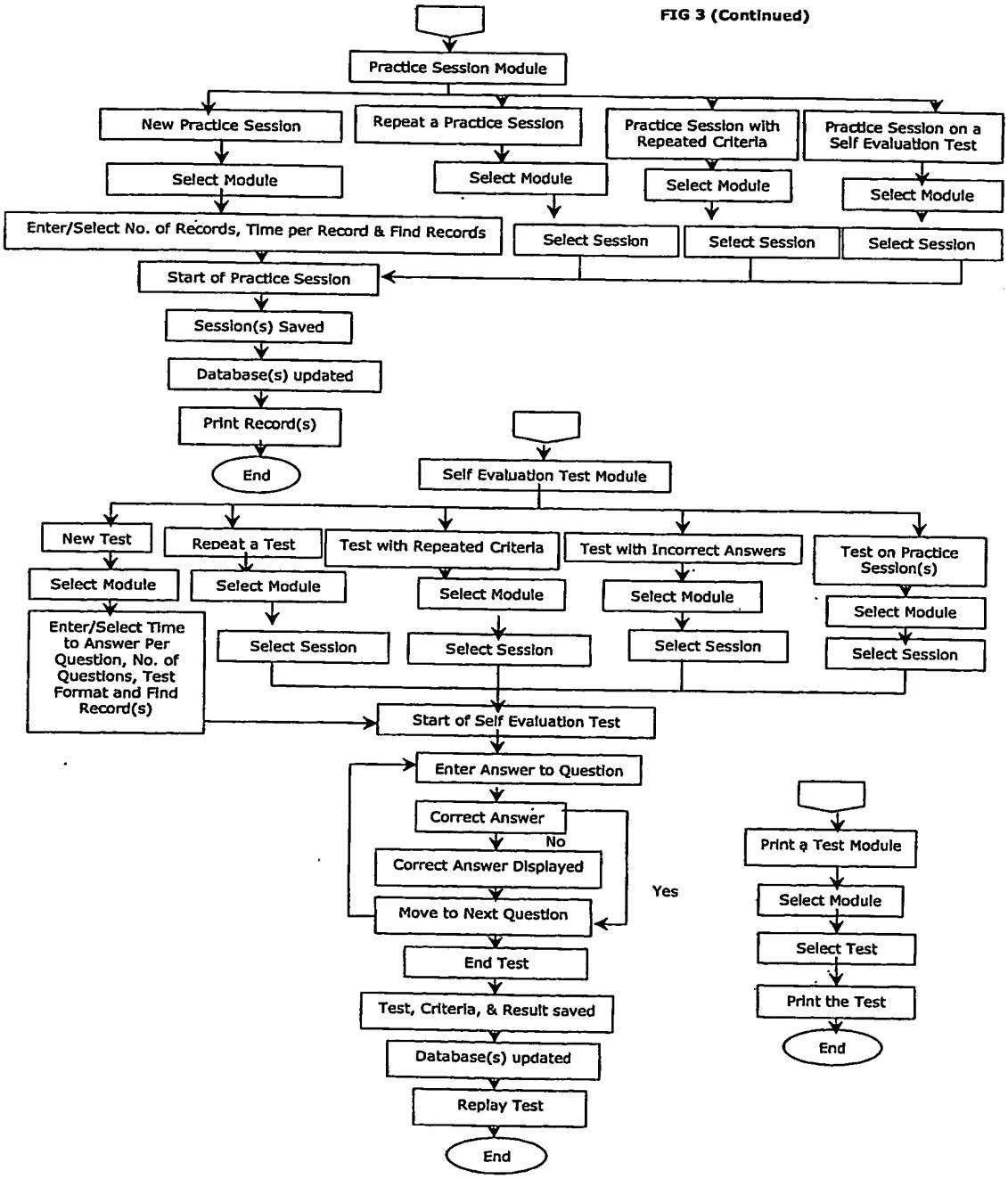


FIG 3 (Continued)

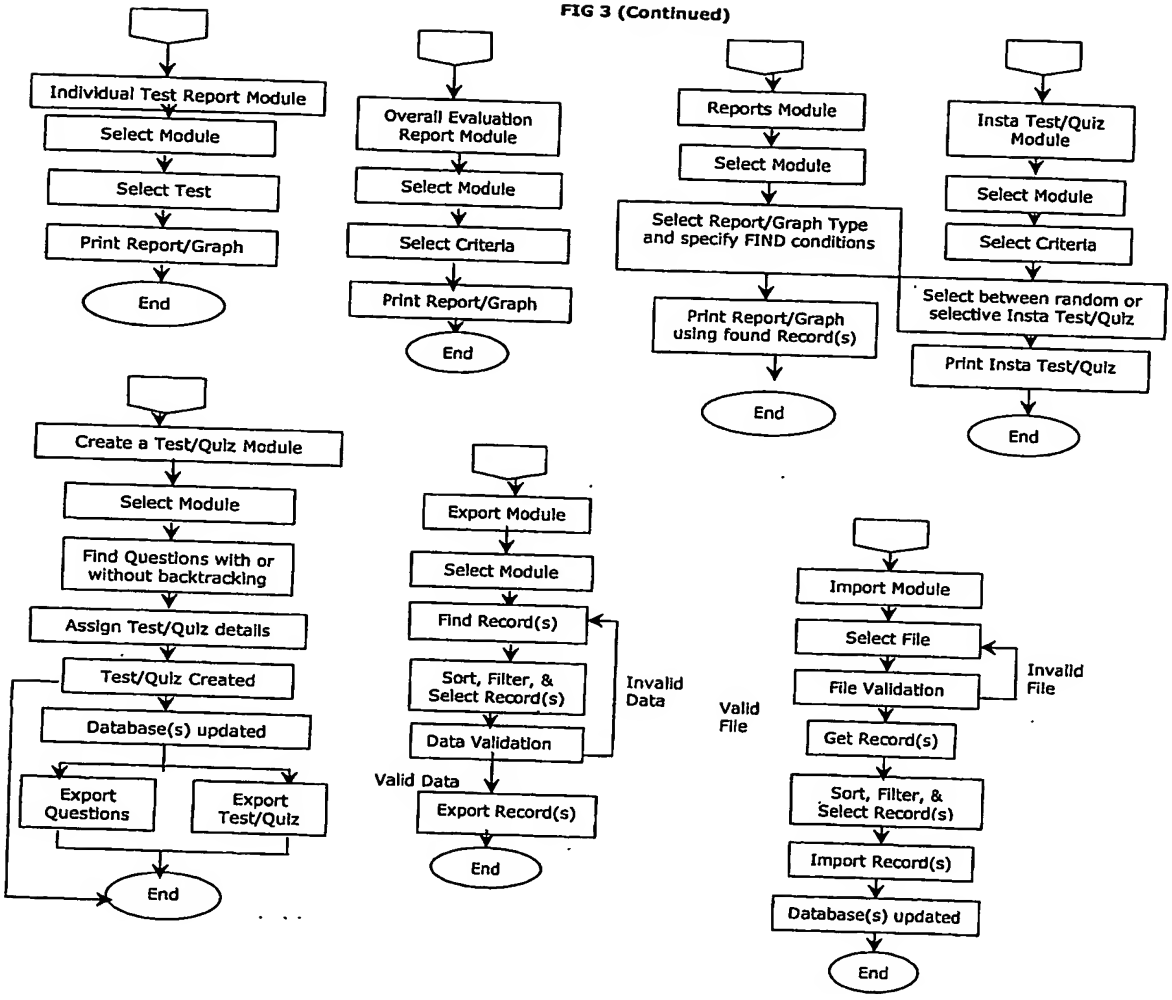
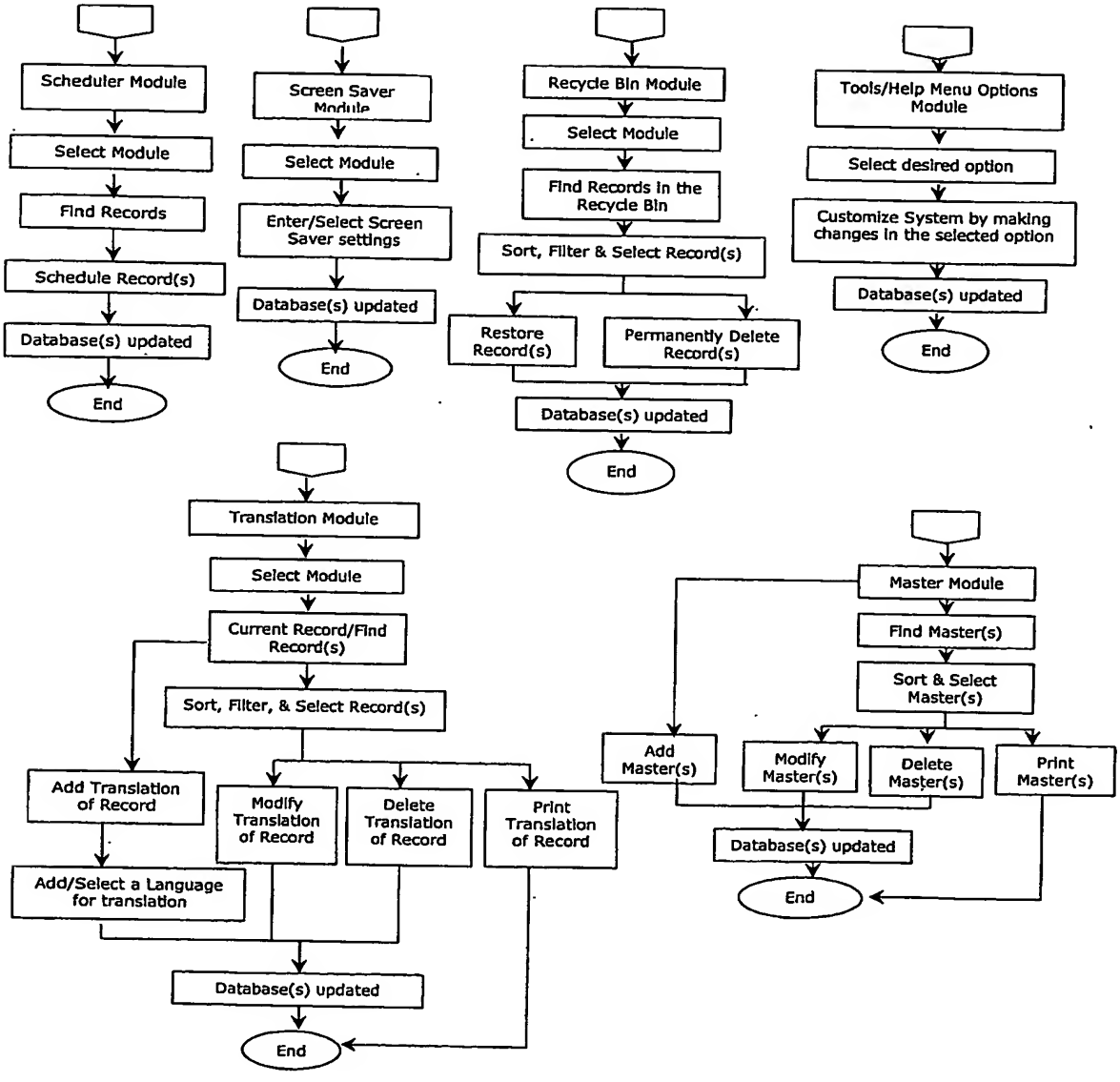


FIG 3 (Continued)



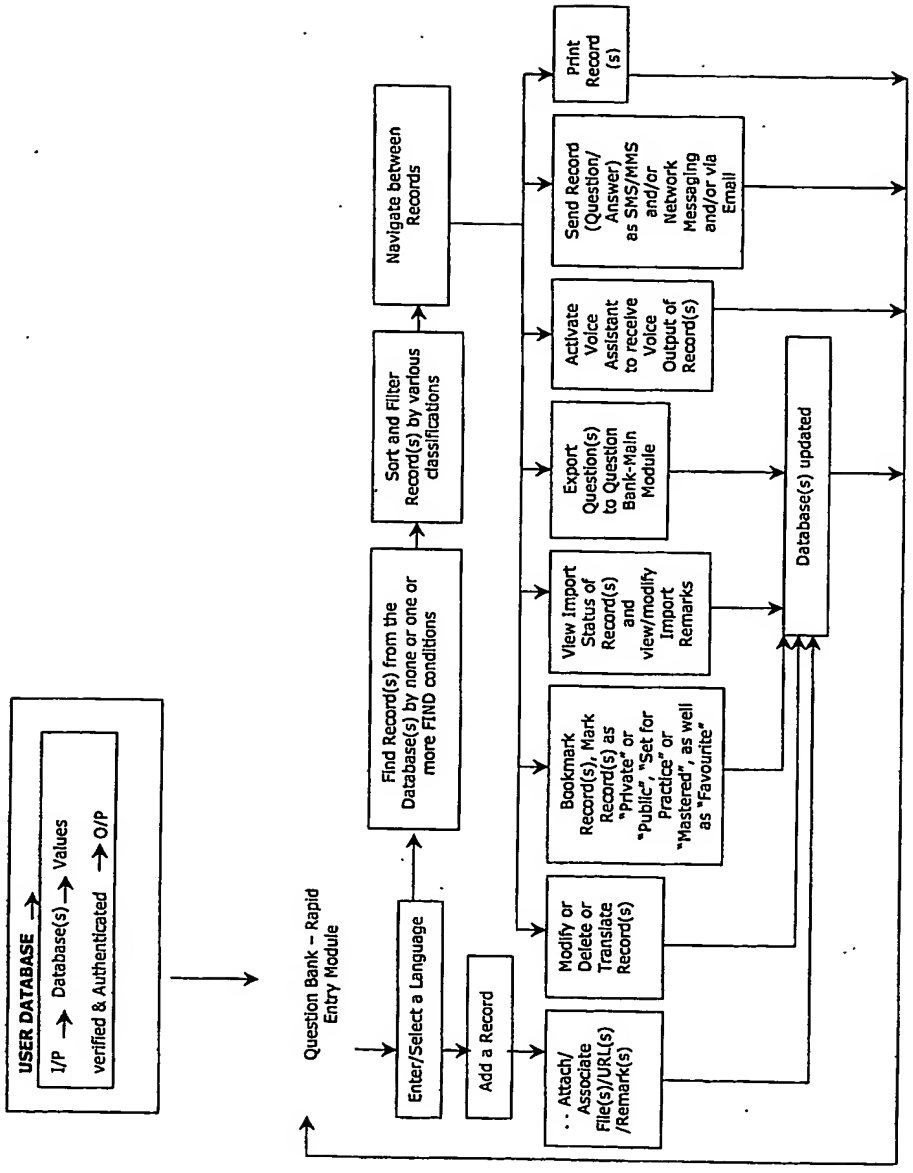

USER DATABASE
I/P → Database(s) → Values
verified & Authenticated → O/P
Question Bank – Rapid Entry Module
Enter/Select a Language
Add a Record
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort and Filter Record(s) by various classifications
Navigate between Records
. . Attach/ Associate File(s)/URL(s) /Remark(s)
Modify or Delete or Translate Record(s)
Bookmark Record(s), Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
View Import Status of Record(s) and view/modify Import Remarks
Export Question(s) to Question Bank-Main Module
Activate Voice Assistant to receive Voice Output of Record(s)
Send Record (Question/ Answer) as SMS/MMS and/or Network Messaging and/or via Email
Print Record (s)
Database(s) updated

FIG 4

FIG 5

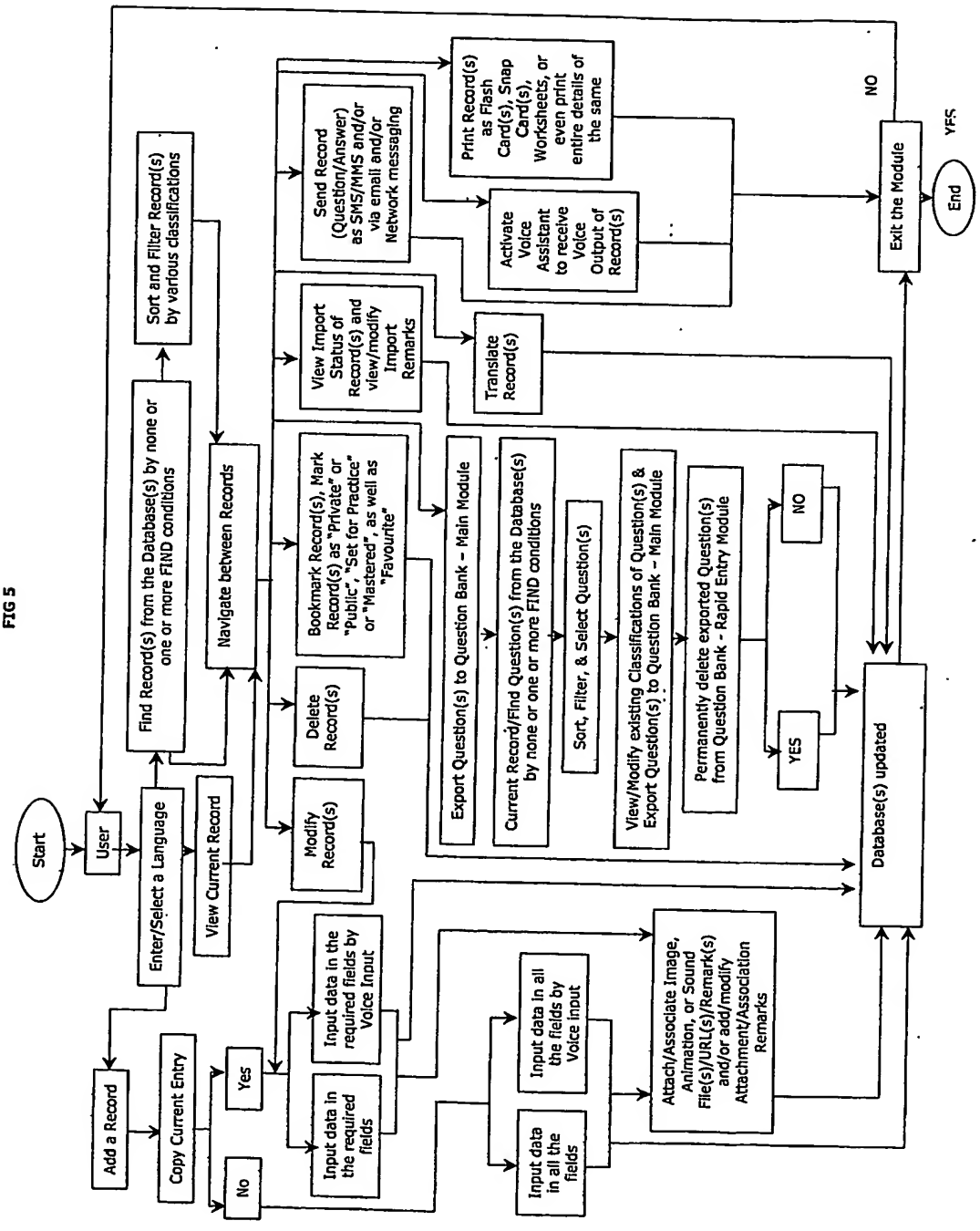

Start
User
Enter/Select a Language
Add a Record
Copy Current Entry
Yes
No
Input data in the required fields
Input data in the required fields by Voice Input
Input data in all the fields
Input data in all the fields by Voice input
Attach/Associate Image, Animation, or Sound File(s)/URL(s)/Remark(s) and/or add/modify Attachment/Association Remarks
View Current Record
Modify Record(s)
Delete Record(s)
Navigate between Records
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort and Filter Record(s) by various classifications
Bookmark Record(s), Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
Export Question(s) to Question Bank - Main Module
Current Record/Find Question(s) from the Database(s) by none or one or more FIND conditions
Sort, Filter, & Select Question(s)
View/Modify existing Classifications of Question(s) & Export Question(s) to Question Bank - Main Module
Permanently delete exported Question(s) from Question Bank - Rapid Entry Module
YES
NO
Database(s) updated
View Import Status of Record(s) and view/modify Import Remarks
Translate Record(s)
Send Record (Question/Answer) as SMS/MMS and/or via email and/or Network messaging
Activate Voice Assistant to receive Voice Output of Record(s)
Print Record(s) as Flash Card(s), Snap Card(s), Worksheets, or even print entire details of the same
Exit the Module
NO
YES
End

FIG 6

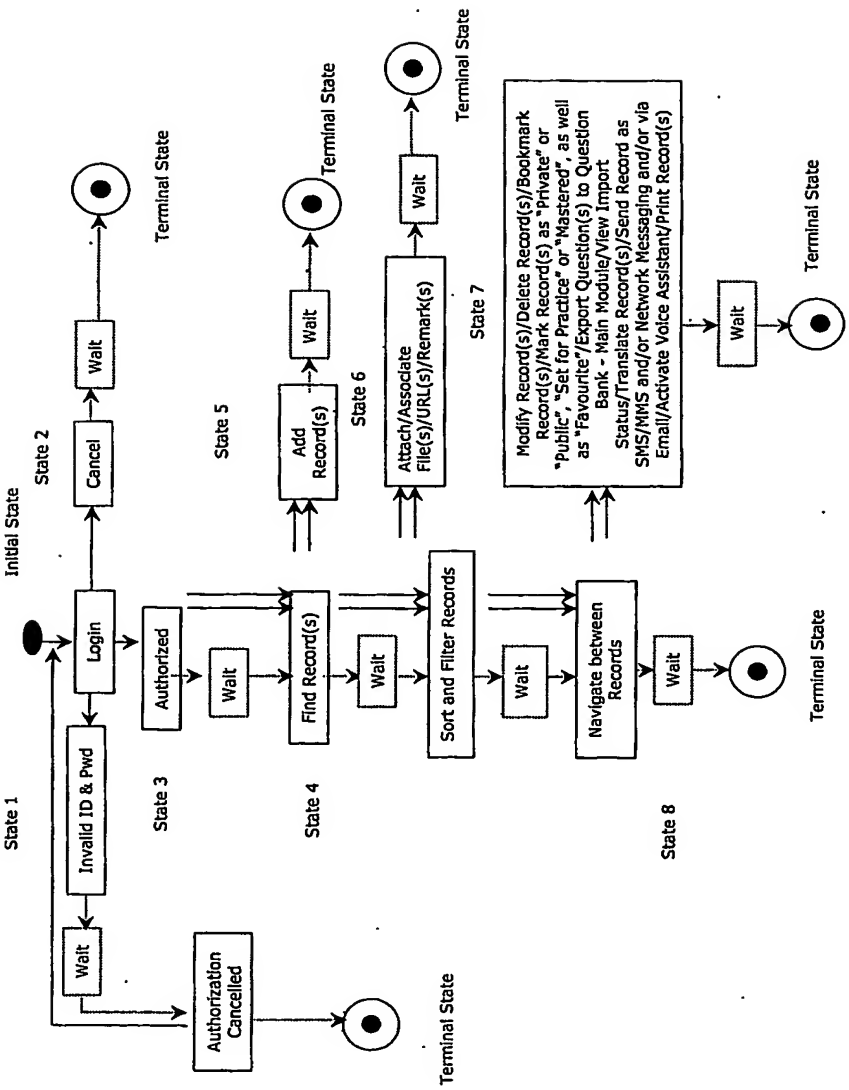

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
Find Record(s)
State 4
Wait
Sort and Filter Records
Wait
Navigate between Records
State 8
Wait
Terminal State
State 5
Add Record(s)
Wait
Terminal State
State 6
Attach/Associate File(s)/URL(s)/Remark(s)
Wait
Terminal State
State 7
Modify Record(s)/Delete Record(s)/Bookmark Record(s)/Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"/Export Question(s) to Question Bank - Main Module/View Import Status/Translate Record(s)/Send Record as SMS/MMS and/or Network Messaging and/or via Email/Activate Voice Assistant/Print Record(s)
Wait
Terminal State

FIG 7

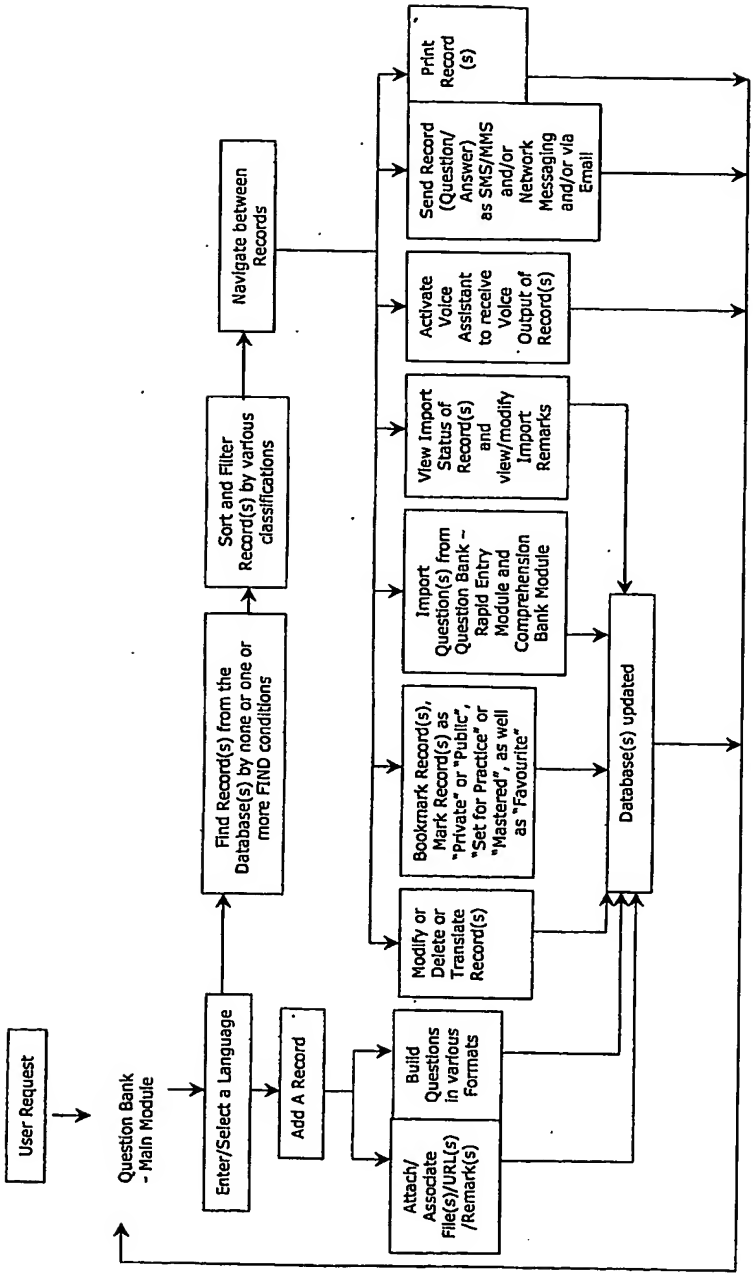

User Request
Question Bank - Main Module
Enter/Select a Language
Add A Record
Attach/ Associate File(s)/URL(s) /Remark(s)
Build Questions in various Formats
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort and Filter Record(s) by various classifications
Navigate between Records
Modify or Delete or Translate Record(s)
Bookmark Record(s), Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
Import Question(s) from Question Bank - Rapid Entry Module and Comprehension Bank Module
View Import Status of Record(s) and view/modify Import Remarks
Activate Voice Assistant to receive Voice Output of Record(s)
Send Record (Question/ Answer) as SMS/MMS and/or Network Messaging and/or via Email
Print Record (s)
Database(s) updated

FIG 8

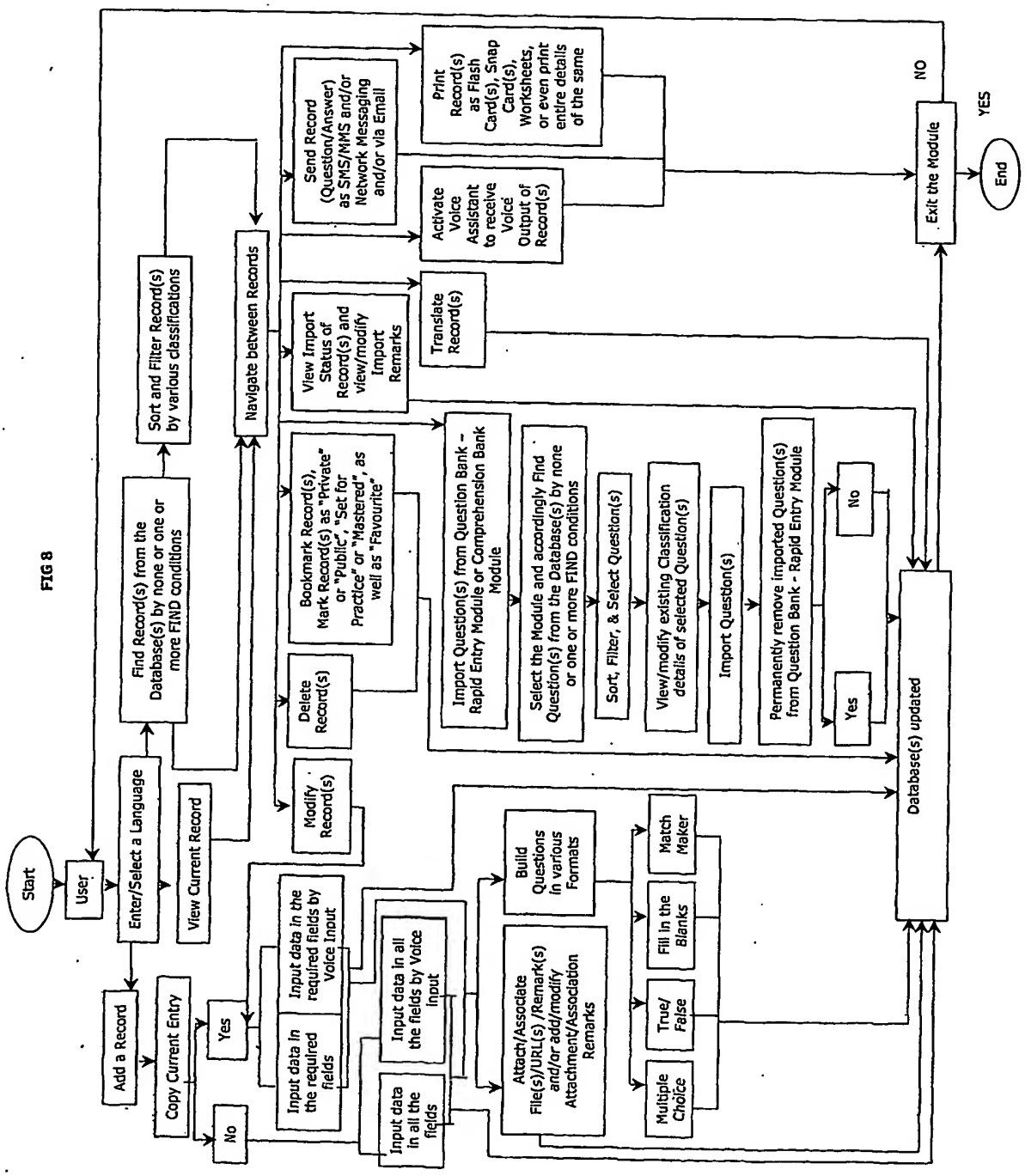

Start
User
Enter/Select a Language
Add a Record
Copy Current Entry
Yes
No
Input data in the required fields
Input data in the required fields by Voice Input
Input data in all the fields
Input data in all the fields by Voice Input
Attach/Associate File(s)/URL(s) /Remark(s) and/or add/modify Attachment/Association Remarks
Build Questions in various Formats
Multiple Choice
True/ False
Fill in the Blanks
Match Maker
View Current Record
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort and Filter Record(s) by various classifications
Navigate between Records
Modify Record(s)
Delete Record(s)
Bookmark Record(s), Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
Import Question(s) from Question Bank – Rapid Entry Module or Comprehension Bank Module
Select the Module and accordingly Find Question(s) from the Database(s) by none or one or more FIND conditions
Sort, Filter, & Select Question(s)
View/modify existing Classification details of selected Question(s)
Import Question(s)
Permanently remove imported Question(s) from Question Bank - Rapid Entry Module
Yes
No
View Import Status of Record(s) and view/modify Import Remarks
Translate Record(s)
Send Record (Question/Answer) as SMS/MMS and/or Network Messaging and/or via Email
Activate Voice Assistant to receive Voice Output of Record(s)
Print Record(s) as Flash Card(s), Snap Card(s), Worksheets, or even print entire details of the same
Database(s) updated
Exit the Module
NO
YES
End

FIG 9

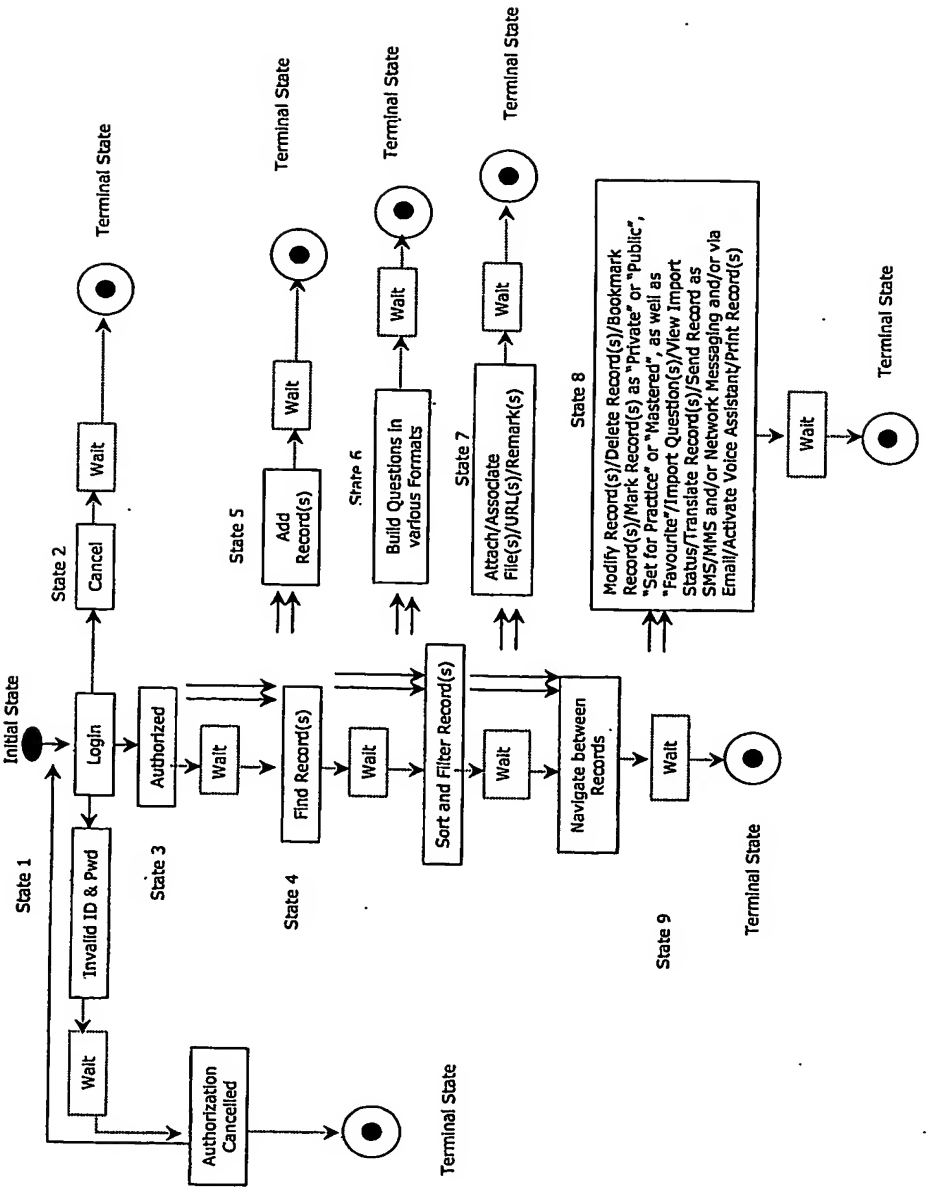
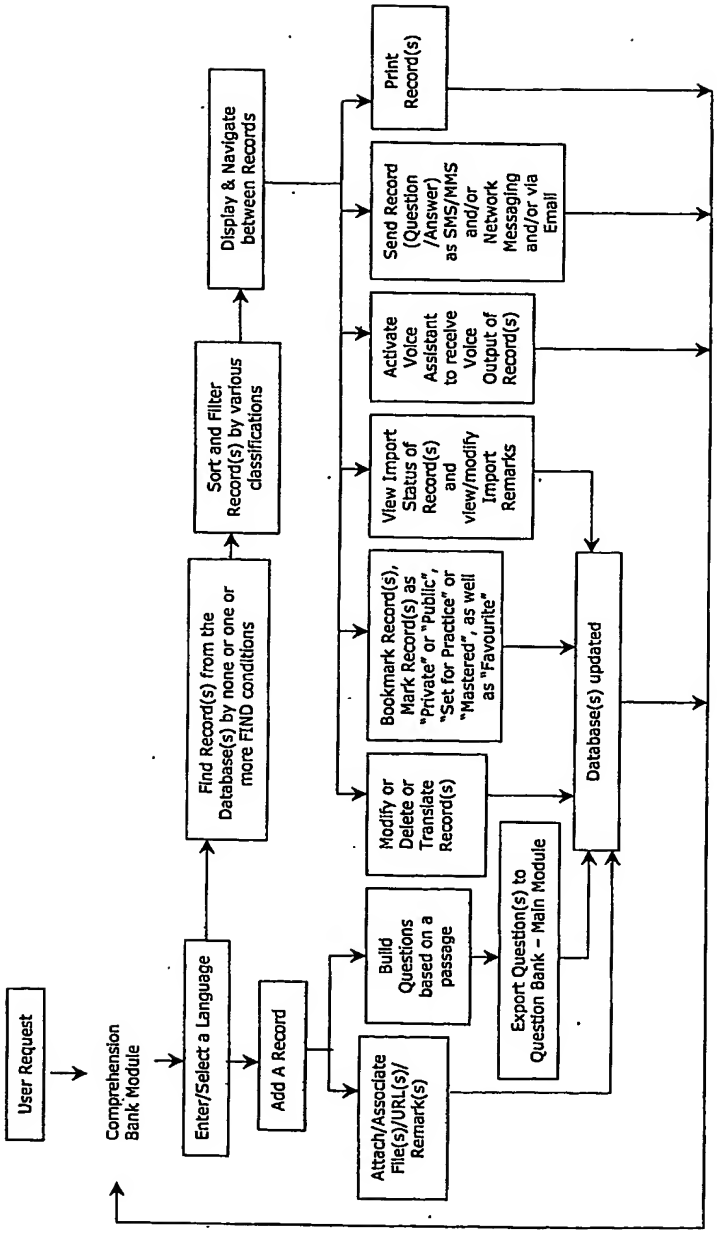

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
Authorized
State 3
Wait
Find Record(s)
State 4
Wait
Sort and Filter Record(s)
Wait
Navigate between Records
Wait
State 9
Terminal State
State 5
Add Record(s)
Wait
Terminal State
State 6
Build Questions in various Formats
Wait
Terminal State
State 7
Attach/Associate File(s)/URL(s)/Remark(s)
Wait
Terminal State
State 8
Modify Record(s)/Delete Record(s)/Bookmark Record(s)/Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"/Import Question(s)/View Import Status/Translate Record(s)/Send Record as SMS/MMS and/or Network Messaging and/or via Email/Activate Voice Assistant/Print Record(s)
Wait
Terminal State

FIG 10


User Request
Comprehension Bank Module
Enter/Select a Language
Add A Record
Attach/Associate File(s)/URL(s)/ Remark(s)
Build Questions based on a passage
Export Question(s) to Question Bank – Main Module
Find Record(s) from the Database(s) by none or one or more FIND conditions
Modify or Delete or Translate Record(s)
Bookmark Record(s), Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
Database(s) updated
Sort and Filter Record(s) by various classifications
View Import Status of Record(s) and view/modify Import Remarks
Display & Navigate between Records
Activate Voice Assistant to receive Voice Output of Record(s)
Send Record (Question /Answer) as SMS/MMS and/or Network Messaging and/or via Email
Print Record(s)

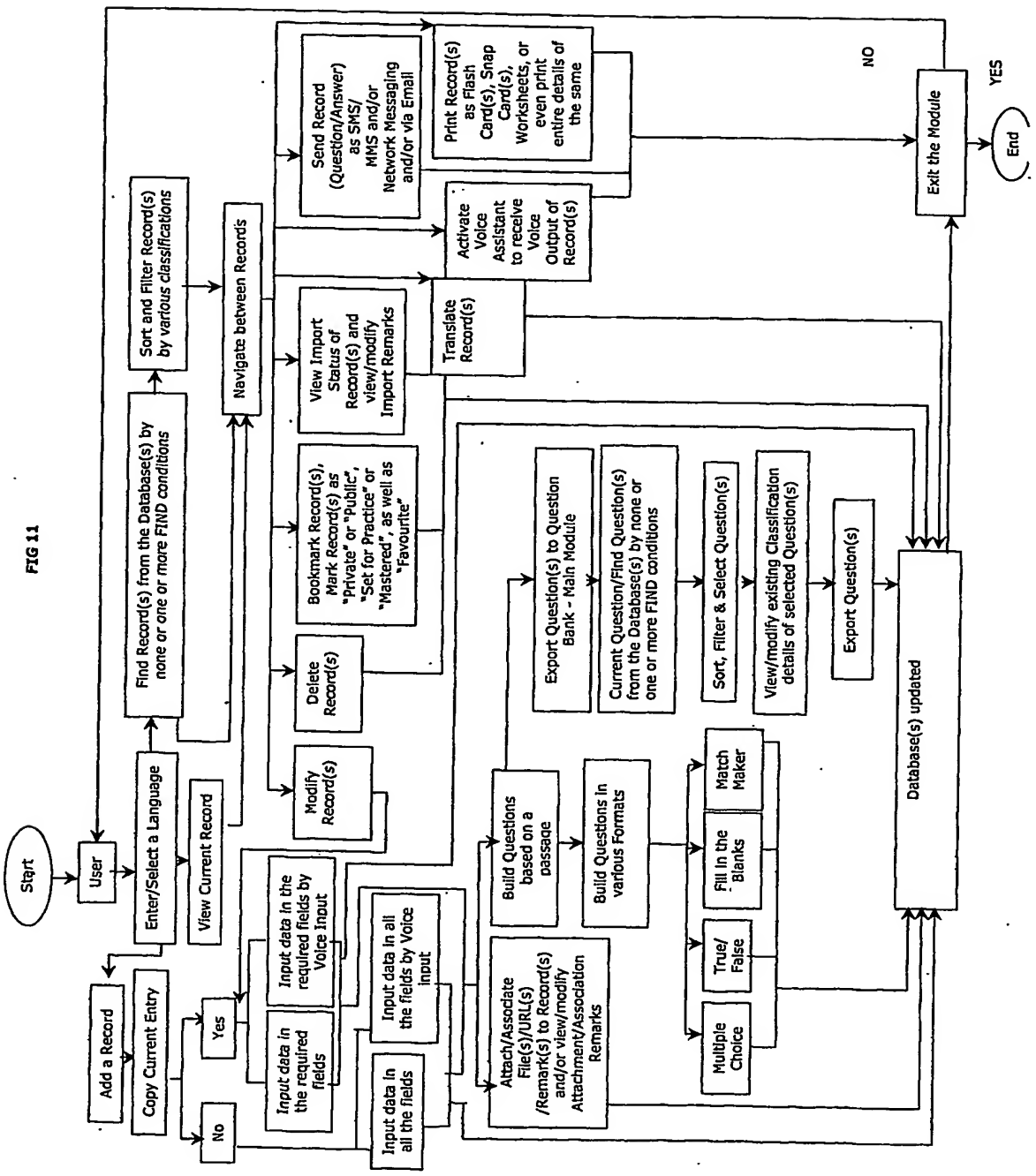

Start
User
Add a Record
Copy Current Entry
Enter/Select a Language
View Current Record
Yes
No
Input data in the required fields
Input data in the required fields by Voice Input
Input data in all the fields
Input data in all the fields by Voice input
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort and Filter Record(s) by various classifications
Navigate between Records
Modify Record(s)
Delete Record(s)
Bookmark Record(s), Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
View Import Status of Record(s) and view/modify Import Remarks
Translate Record(s)
Activate Voice Assistant to receive Voice Output of Record(s)
Send Record (Question/Answer) as SMS/ MMS and/or Network Messaging and/or via Email
Print Record(s) as Flash Card(s), Snap Card(s), Worksheets, or even print entire details of the same
Attach/Associate File(s)/URL(s) /Remark(s) to Record(s) and/or view/modify Attachment/Association Remarks
Build Questions based on a passage
Build Questions in various Formats
Export Question(s) to Question Bank - Main Module
Current Question/Find Question(s) from the Database(s) by none or one or more FIND conditions
Sort, Filter & Select Question(s)
View/modify existing Classification details of selected Question(s)
Export Question(s)
Multiple Choice
True/ False
Fill In the Blanks
Match Maker
Database(s) updated
NO
YES
Exit the Module
End

FIG 11

FIG 12

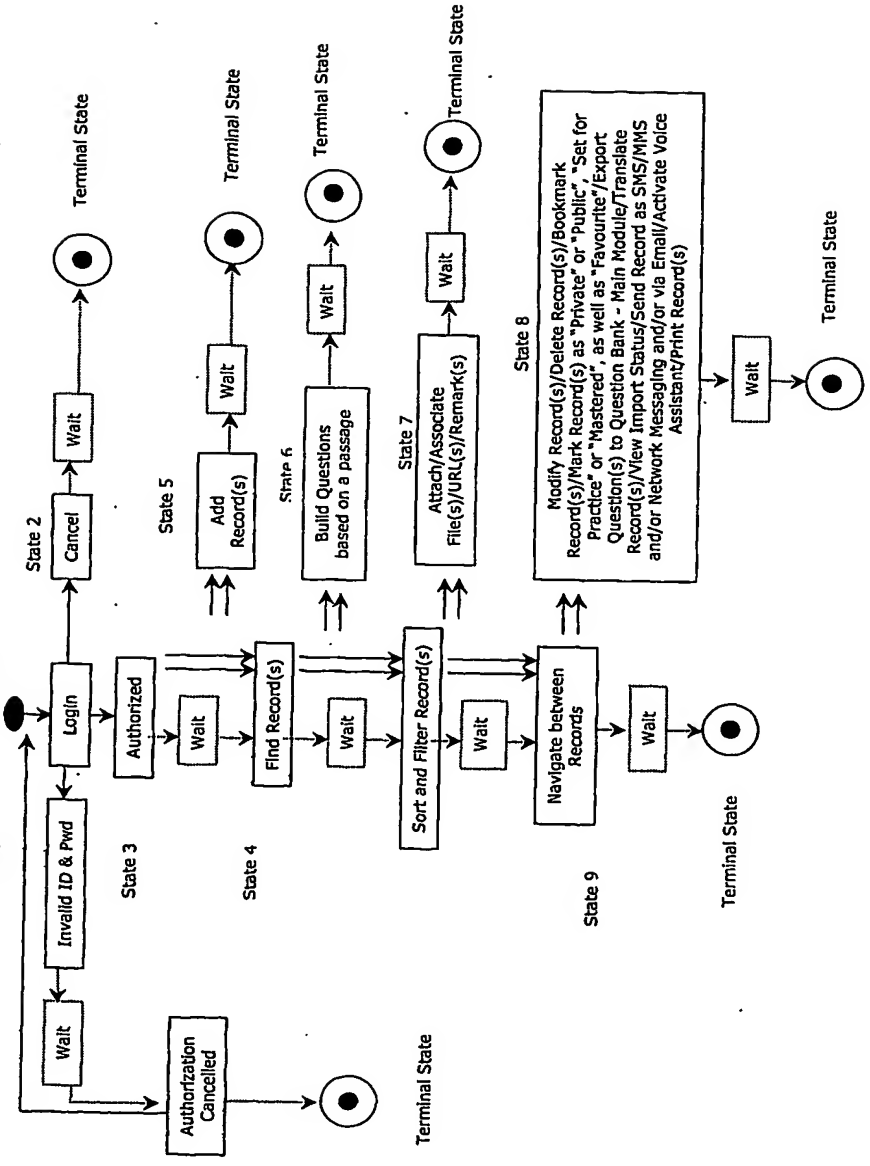

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
Find Record(s)
Wait
Terminal State
State 4
Sort and Filter Record(s)
Wait
Navigate between Records
Wait
Terminal State
State 5
Add Record(s)
Wait
Terminal State
State 6
Build Questions based on a passage
Wait
Terminal State
State 7
Attach/Associate File(s)/URL(s)/Remark(s)
Wait
Terminal State
State 8
Modify Record(s)/Delete Record(s)/Bookmark Record(s)/Mark Record(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"/Export Question(s) to Question Bank - Main Module/Translate Record(s)/View Import Status/Send Record as SMS/MMS and/or Network Messaging and/or via Email/Activate Voice Assistant/Print Record(s)
Wait
Terminal State
State 9

FIG 13

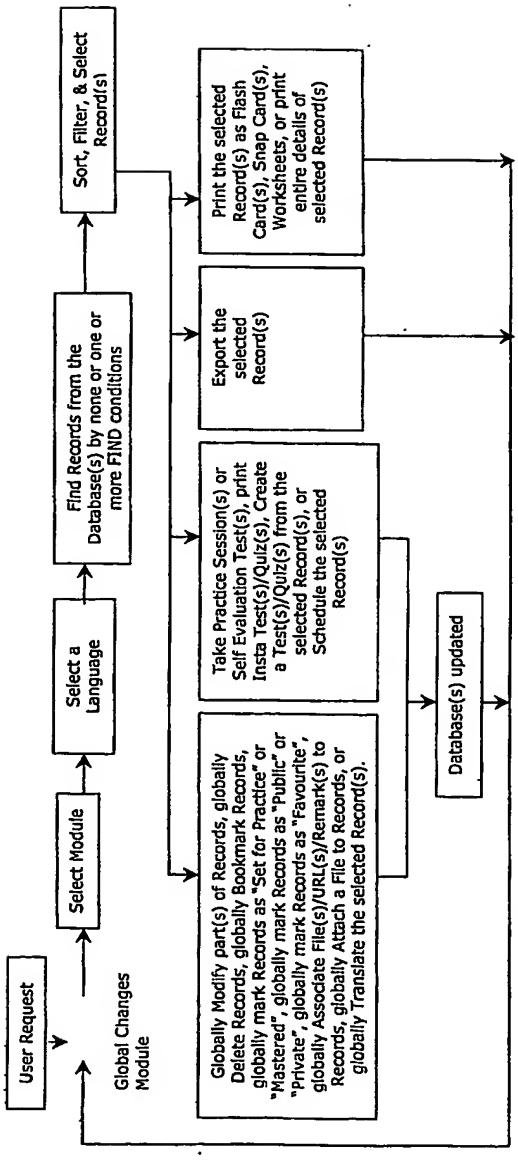

User Request
Global Changes Module
Select Module
Select a Language
Find Records from the Database(s) by none or one or more FIND conditions
Sort, Filter, & Select Record(s)
Globally Modify part(s) of Records, globally Delete Records, globally Bookmark Records, globally mark Records as "Set for Practice" or "Mastered", globally mark Records as "Public" or "private", globally mark Records as "Favourite", globally Associate File(s)/URL(s)/Remark(s) to Records, globally Attach a File to Records, or globally Translate the selected Record(s).
Take Practice Session(s) or Self Evaluation Test(s), print Insta Test(s)/Quiz(s), Create a Test(s)/Quiz(s) from the selected Record(s), or Schedule the selected Record(s)
Export the selected Record(s)
Print the selected Record(s) as Flash Card(s), Snap Card(s), Worksheets, or print entire details of selected Record(s)
Database(s) updated

FIG 14

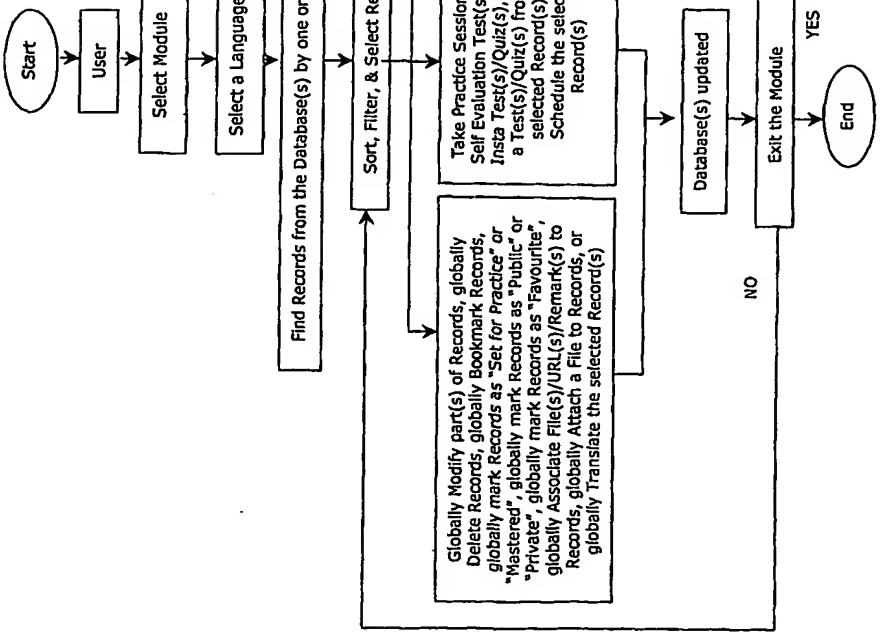
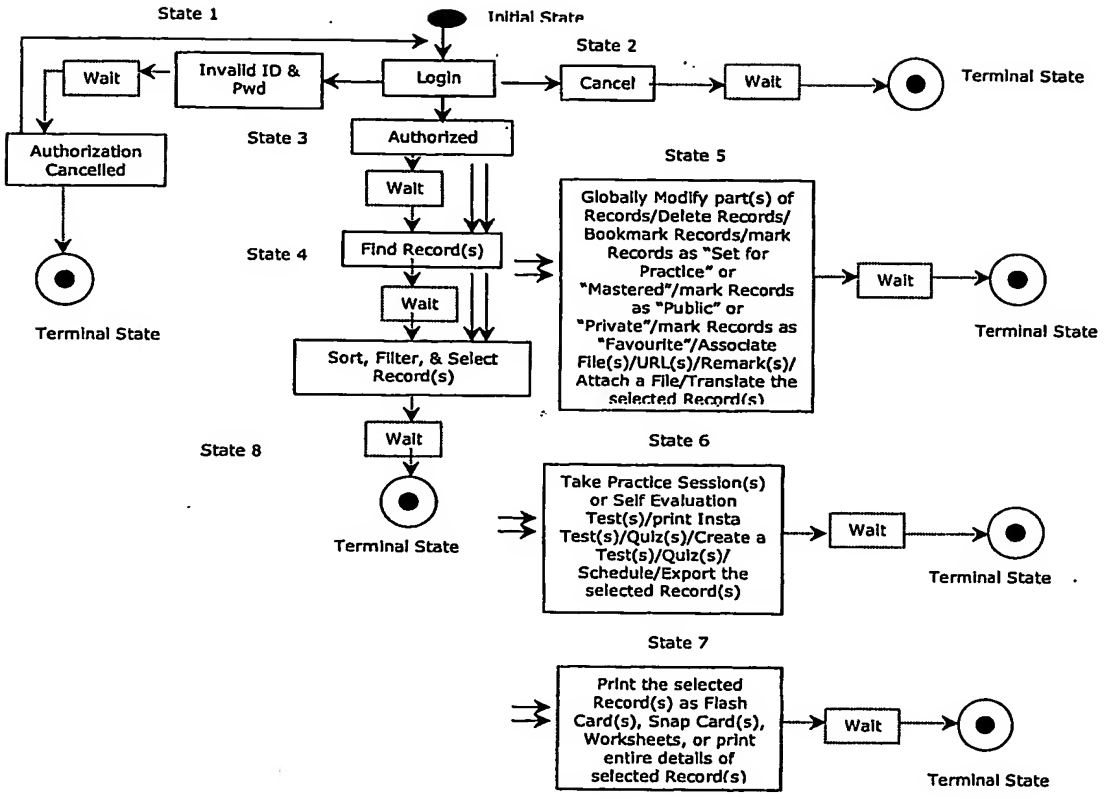

Start
User
Select Module
Select a Language
Find Records from the Database(s) by one or one or more FIND conditions
Sort, Filter, & Select Record(s)
Print the selected Record(s) as Flash Card(s), Snap Card(s), Worksheets, or print entire details of selected Record(s)
Export the selected Record(s)
Take Practice Session(s) or Self Evaluation Test(s), print Insta Test(s)/Quiz(s), Create a Test(s)/Quiz(s) from the selected Record(s), or Schedule the selected Record(s)
Globally Modify part(s) of Records, globally Delete Records, globally Bookmark Records, globally mark Records as "Set for Practice" or "Mastered", globally mark Records as "Public" or "Private", globally mark Records as "Favourite", globally Associate File(s)/URL(s)/Remark(s) to Records, globally Attach a File to Records, or globally Translate the selected Record(s)
Database(s) updated
Exit the Module
YES
NO
End

FIG 15


State 1
Initial State
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
Authorization Cancelled
State 3
Authorized
State 5
Wait
Globally Modify part(s) of Records/Delete Records/ Bookmark Records/mark Records as "Set for Practice" or "Mastered"/mark Records as "Public" or "Private"/mark Records as "Favourite"/Associate File(s)/URL(s)/Remark(s)/ Attach a File/Translate the selected Record(s)
State 4
Find Record(s)
Wait
Terminal State
Terminal State
Sort, Filter, & Select Record(s)
Wait
State 8
State 6
Take Practice Session(s) or Self Evaluation Test(s)/print Insta Test(s)/Quiz(s)/Create a Test(s)/Quiz(s)/ Schedule/Export the selected Record(s)
Wait
Terminal State
Terminal State
State 7
Print the selected Record(s) as Flash Card(s), Snap Card(s), Worksheets, or print entire details of selected Record(s)
Wait
Terminal State

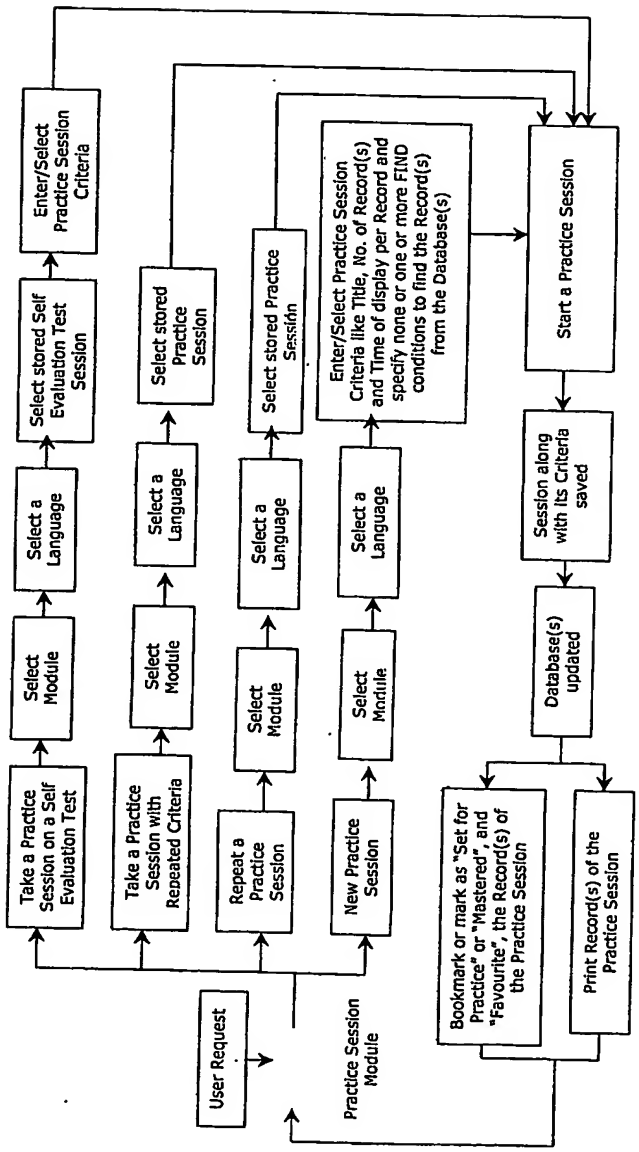

User Request
Practice Session Module
Take a Practice Session on a Self Evaluation Test
Take a Practice Session with Repeated Criteria
Repeat a Practice Session
New Practice Session
Select Module
Select a Language
Select stored Self Evaluation Test Session
Select stored Practice Session
Enter/Select Practice Session Criteria like Title, No. of Record(s) and Time of display per Record and specify none or one or more FIND conditions to find the Record(s) from the Database(s)
Enter/Select Practice Session Criteria
Start a Practice Session
Session along with its Criteria saved
Database(s) updated
Bookmark or mark as "Set for Practice" or "Mastered", and "Favourite", the Record(s) of the Practice Session
Print Record(s) of the Practice Session

FIG 16

FIG 17

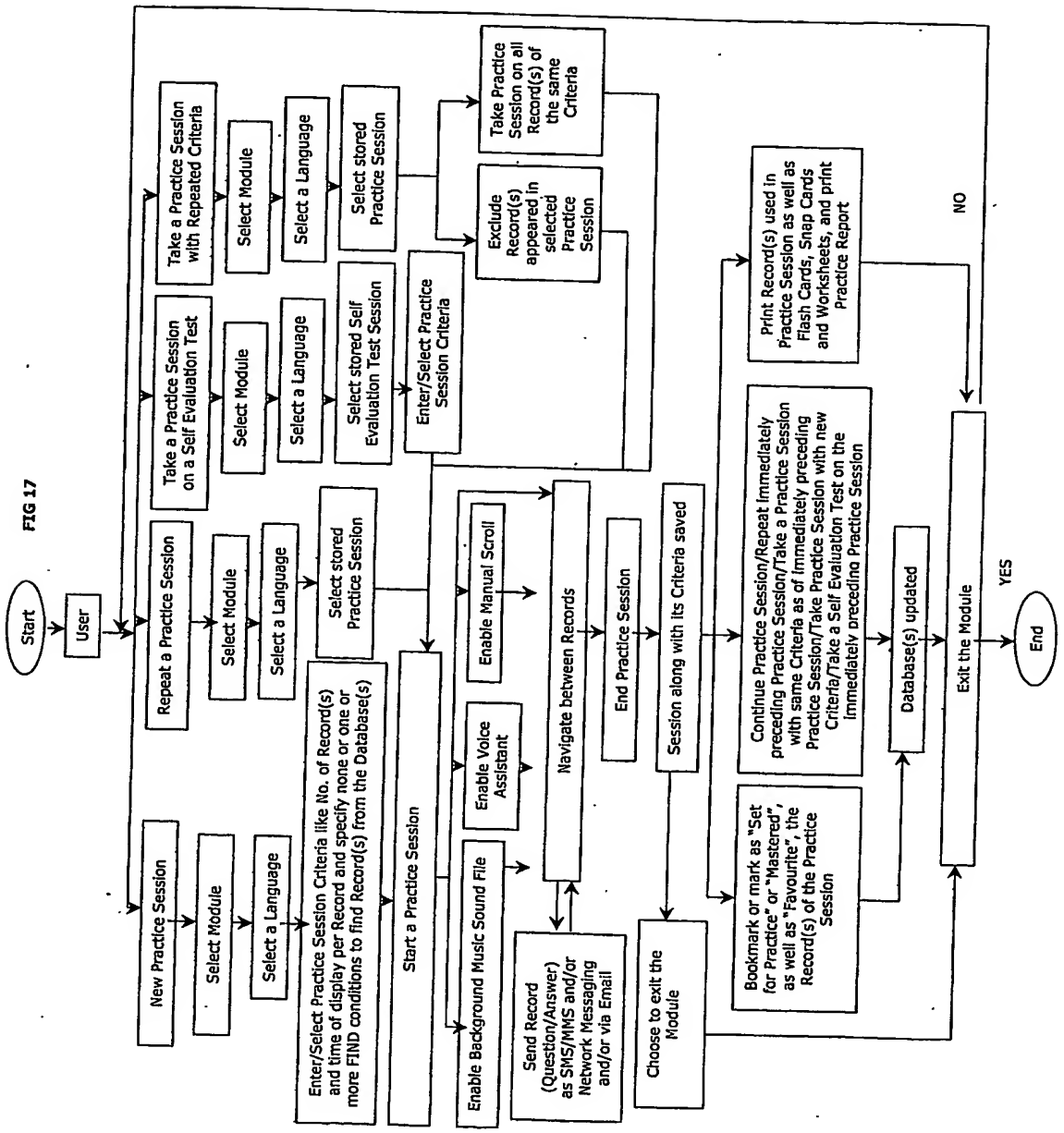

Start
User
New Practice Session
Select Module
Select a Language
Enter/Select Practice Session Criteria like No. of Record(s) and time of display per Record and specify none or one or more FIND conditions to find Record(s) from the Database(s)
Repeat a Practice Session
Select Module
Select a Language
Select stored Practice Session
Take a Practice Session on a Self Evaluation Test
Select Module
Select a Language
Select stored Self Evaluation Test Session
Take a Practice Session with Repeated Criteria
Select Module
Select a Language
Select stored Practice Session
Start a Practice Session
Enable Background Music Sound File
Enable Voice Assistant
Enable Manual Scroll
Send Record (Question/Answer) as SMS/MMS and/or Network Messaging and/or via Email
Navigate between Records
End Practice Session
Choose to exit the Module
Session along with its Criteria saved
Enter/Select Practice Session Criteria
Exclude Record(s) appeared in selected Practice Session
Take Practice Session on all Record(s) of the same Criteria
Bookmark or mark as "Set for Practice" or "Mastered", as well as "Favourite", the Record(s) of the Practice Session
Continue Practice Session/Repeat Immediately preceding Practice Session/Take a Practice Session with same Criteria as of immediately preceding Practice Session/Take Practice Session with new Criteria/Take a Self Evaluation Test on the immediately preceding Practice Session
Print Record(s) used in Practice Session as well as Flash Cards, Snap Cards and Worksheets, and print Practice Report
Database(s) updated
Exit the Module
NO
YES
End

FIG 18

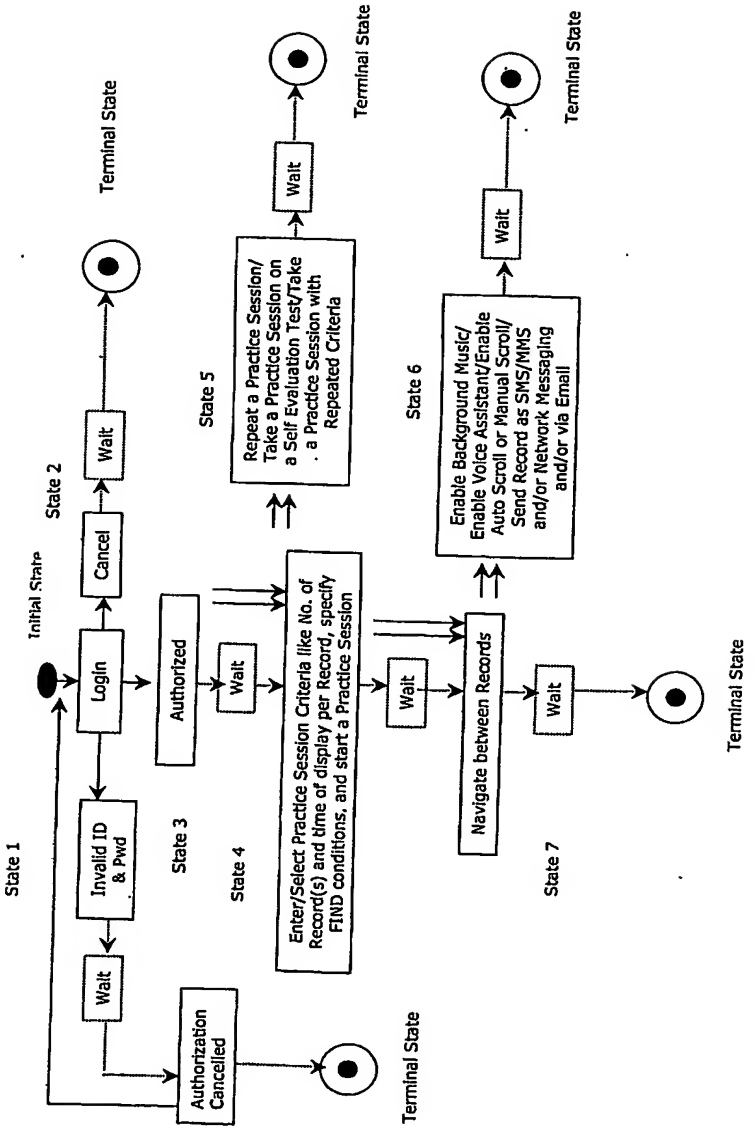

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
Cancel
State 2
Wait
Terminal State
Authorized
State 3
Wait
State 4
Enter/Select Practice Session Criteria like No. of Record(s) and time of display per Record, specify FIND conditions, and start a Practice Session
Wait
State 5
Repeat a Practice Session/ Take a Practice Session on a Self Evaluation Test/Take a Practice Session with Repeated Criteria
Wait
Terminal State
Navigate between Records
State 6
Wait
Terminal State
Enable Background Music/ Enable Voice Assistant/Enable Auto Scroll or Manual Scroll/ Send Record as SMS/MMS and/or Network Messaging and/or via Email
Wait
Terminal State
State 7

FIG 19

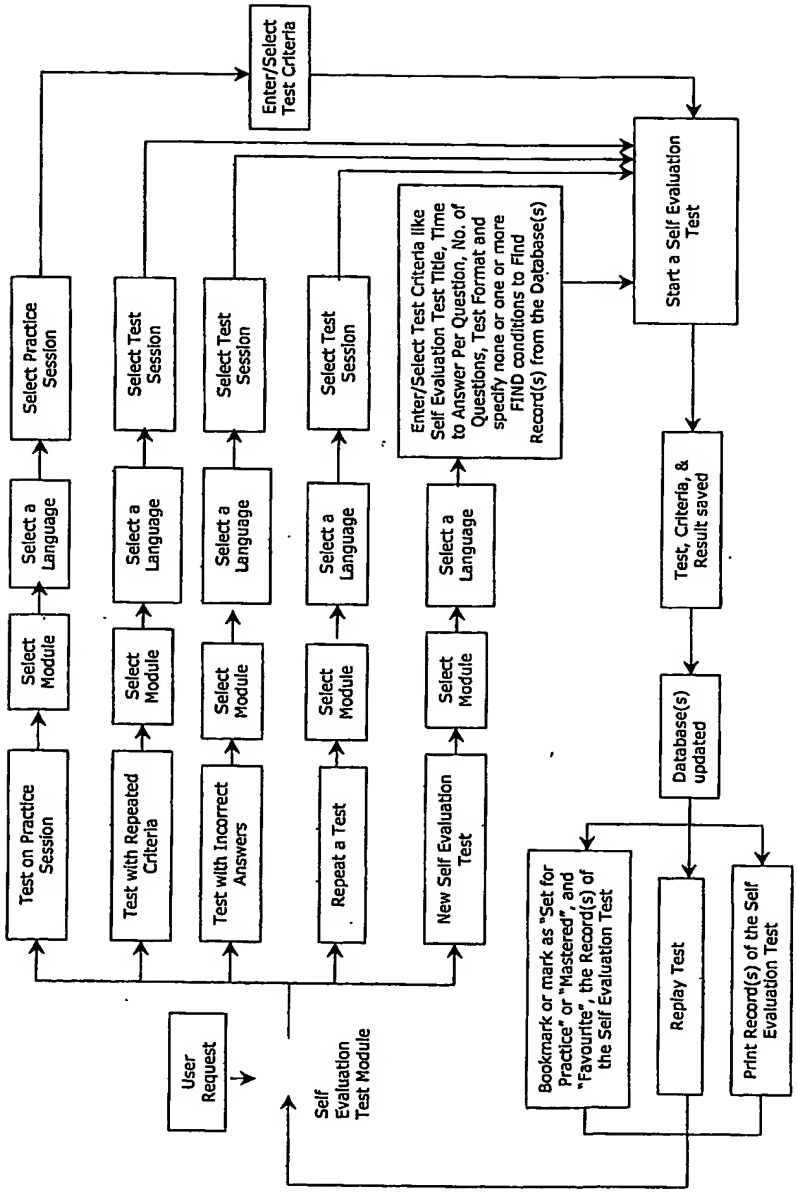

User Request
Self Evaluation Test Module
Test on Practice Session
Test with Repeated Criteria
Test with Incorrect Answers
Repeat a Test
New Self Evaluation Test
Select Module
Select a Language
Select Practice Session
Select Test Session
Enter/Select Test Criteria
Enter/Select Test Criteria like Self Evaluation Test Title, Time to Answer Per Question, No. of Questions, Test Format and specify none or one or more FIND conditions to Find Record(s) from the Database(s)
Start a Self Evaluation Test
Test, Criteria, & Result saved
Database(s) updated
Bookmark or mark as "Set for Practice" or "Mastered", and "Favourite", the Record(s) of the Self Evaluation Test
Replay Test
Print Record(s) of the Self Evaluation Test

FIG 20

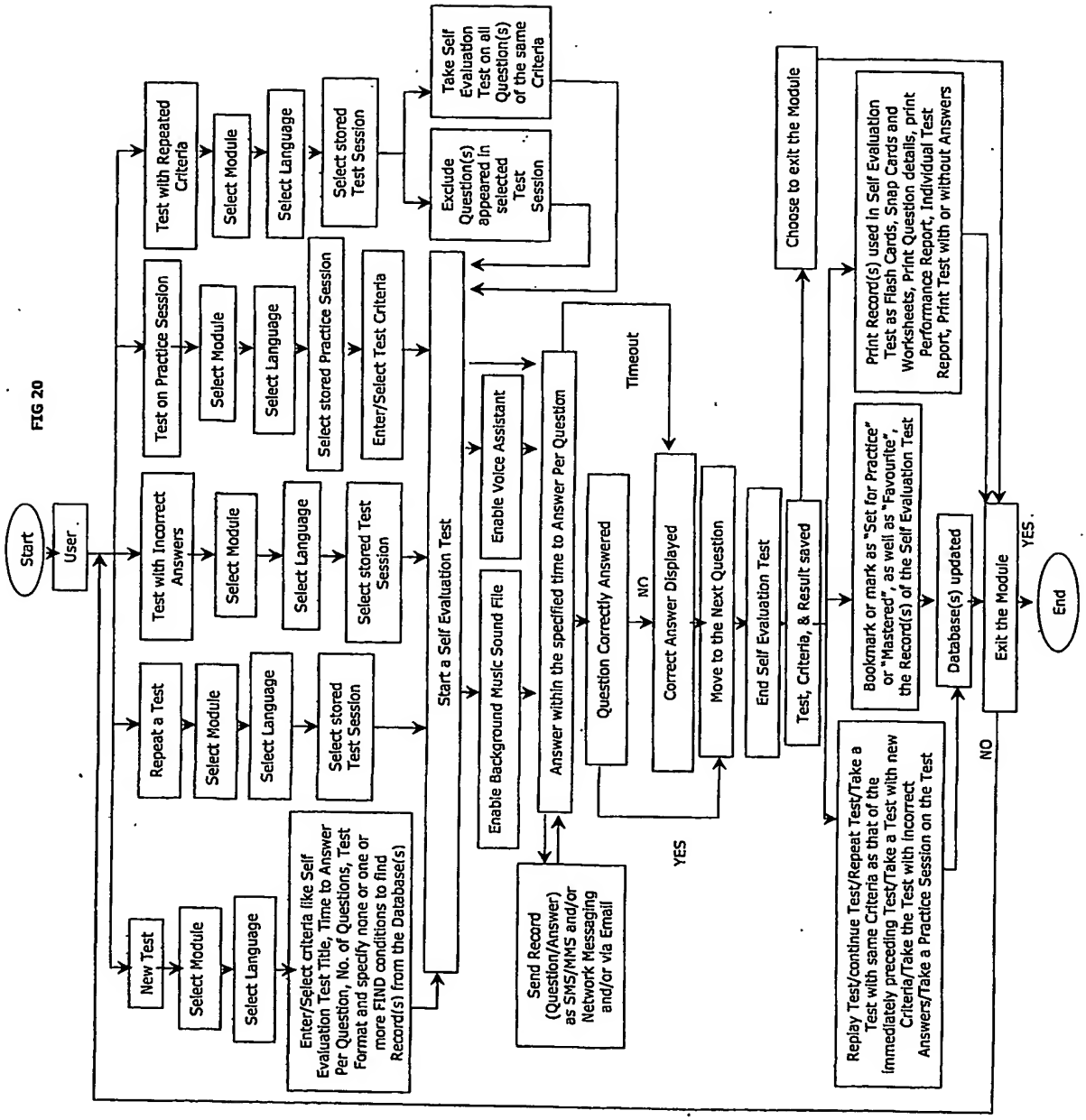

Start
User
New Test
Select Module
Select Language
Enter/Select criteria like Self Evaluation Test Title, Time to Answer Per Question, No. of Questions, Test Format and specify none or one or more FIND conditions to find Record(s) from the Database(s)
Repeat a Test
Select Module
Select Language
Select stored Test Session
Test with Incorrect Answers
Select Module
Select Language
Select stored Test Session
Test on Practice Session
Select Module
Select Language
Select stored Practice Session
Enter/Select Test Criteria
Test with Repeated Criteria
Select Module
Select Language
Select stored Test Session
Exclude Question(s) appeared in selected Test Session
Take Self Evaluation Test on all Question(s) of the same Criteria
Start a Self Evaluation Test
Enable Background Music Sound File
Enable Voice Assistant
Send Record (Question/Answer) as SMS/MMS and/or Network Messaging and/or via Email
Answer within the specified time to Answer Per Question
Timeout
Question Correctly Answered
NO
YES
Correct Answer Displayed
Move to the Next Question
End Self Evaluation Test
Test, Criteria, & Result saved
Choose to exit the Module
Replay Test/continue Test/Repeat Test/Take a Test with same Criteria as that of the immediately preceding Test/Take a Test with new Criteria/Take the Test with Incorrect Answers/Take a Practice Session on the Test
Bookmark or mark as "Set for Practice" or "Mastered", as well as "Favourite", the Record(s) of the Self Evaluation Test
Print Record(s) used in Self Evaluation Test as Flash Cards, Snap Cards and Worksheets, Print Question details, print Performance Report, Individual Test Report, Print Test with or without Answers
Database(s) updated
Exit the Module
NO
YES
End

FIG 21

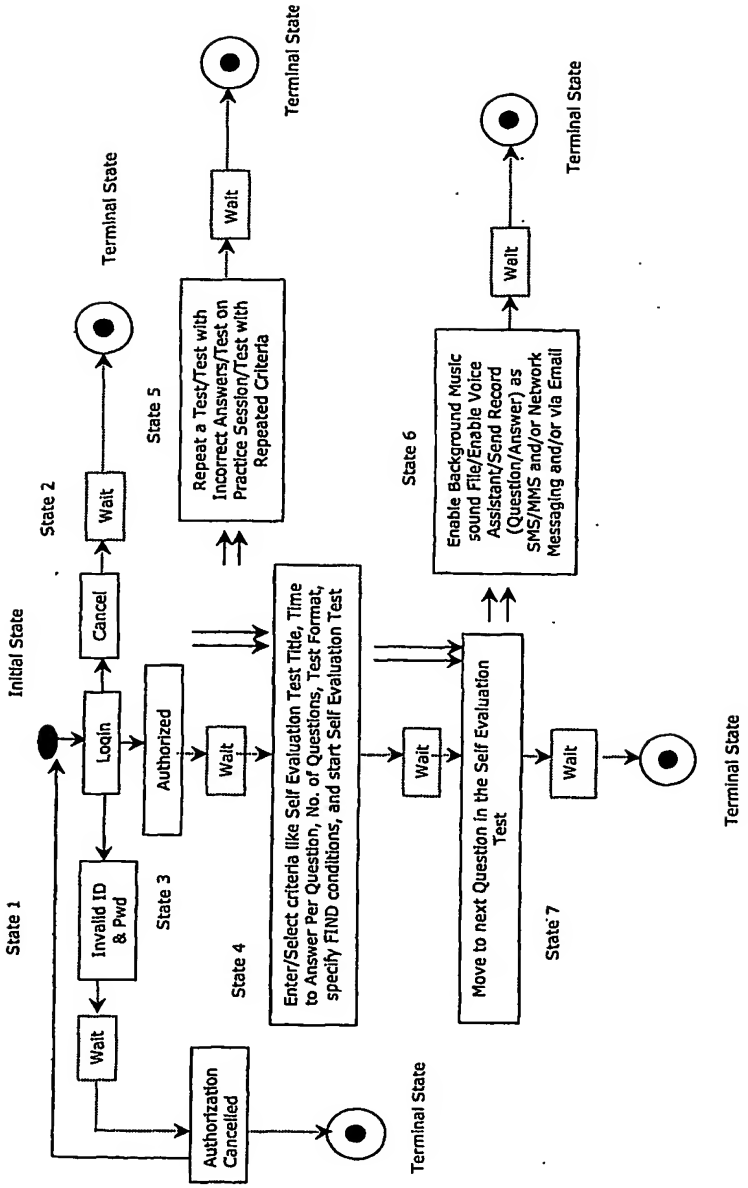

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
State 4
Enter/Select criteria like Self Evaluation Test Title, Time to Answer Per Question, No. of Questions, Test Format, specify FIND conditions, and start Self Evaluation Test
State 5
Repeat a Test/Test with Incorrect Answers/Test on Practice Session/Test with Repeated Criteria
Wait
Terminal State
Wait
State 6
Enable Background Music sound File/Enable Voice Assistant/Send Record (Question/Answer) as SMS/MMS and/or Network Messaging and/or via Email
Wait
Terminal State
Wait
State 7
Move to next Question in the Self Evaluation Test
Wait
Terminal State

FIG 22

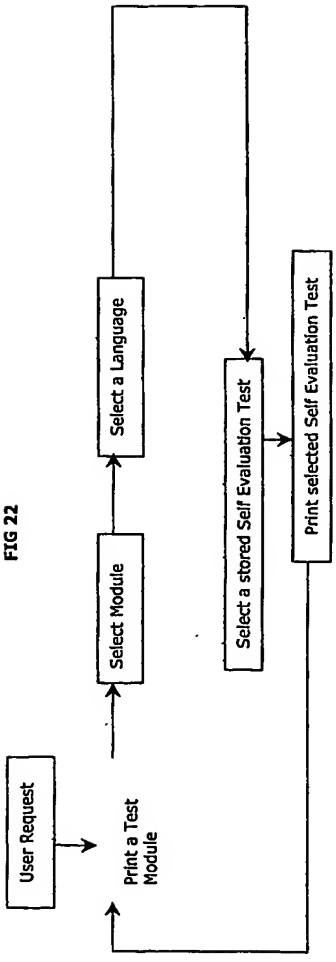

User Request
Print a Test Module
Select Module
Select a Language
Select a stored Self Evaluation Test
Print selected Self Evaluation Test

FIG 23

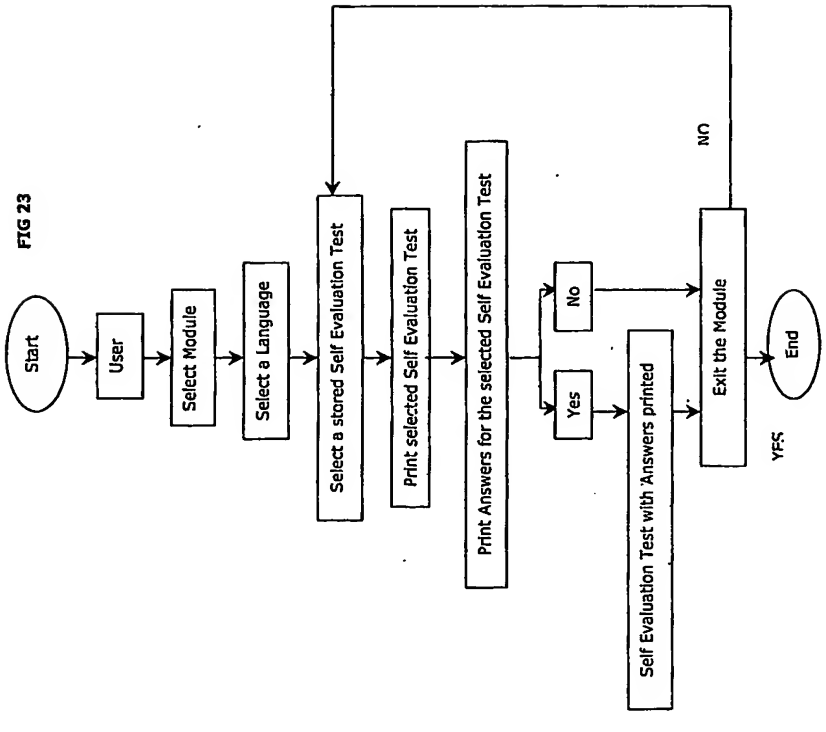

Start
User
Select Module
Select a Language
Select a stored Self Evaluation Test
Print selected Self Evaluation Test
Print Answers for the selected Self Evaluation Test
No
Yes
Self Evaluation Test with Answers printed
Exit the Module
End
NO
YES

FIG 24

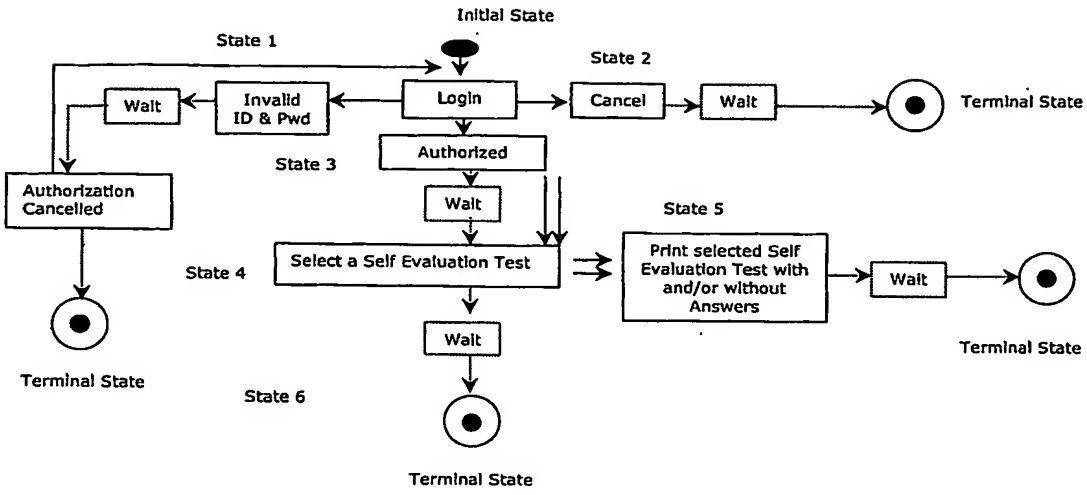

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
Authorized
State 3
Authorization Cancelled
Wait
State 5
State 4
Select a Self Evaluation Test
Print selected Self Evaluation Test with and/or without Answers
Wait
Terminal State
Terminal State
Wait
State 6
Terminal State

FIG 25

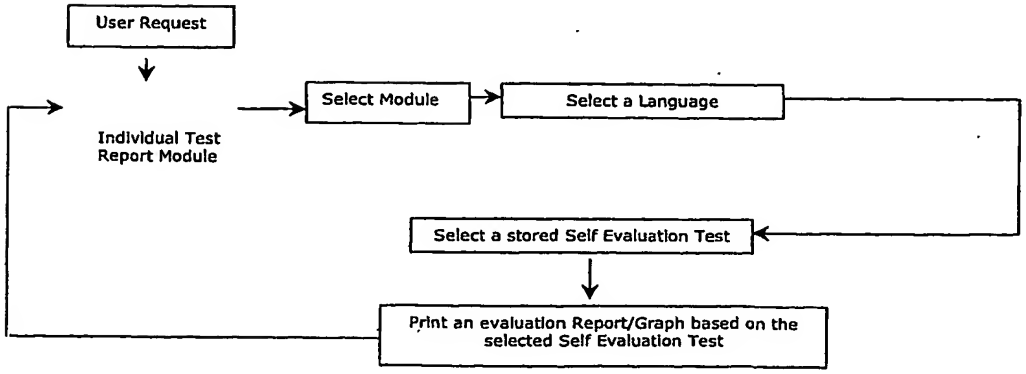

User Request
Individual Test Report Module
Select Module
Select a Language
Select a stored Self Evaluation Test
Print an evaluation Report/Graph based on the selected Self Evaluation Test

FIG 26

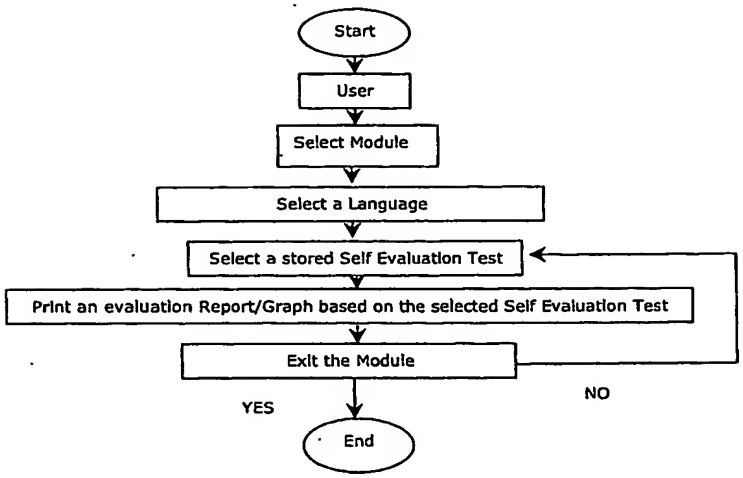

Start
User
Select Module
Select a Language
Select a stored Self Evaluation Test
Print an evaluation Report/Graph based on the selected Self Evaluation Test
Exit the Module
NO
YES
End

FIG 27

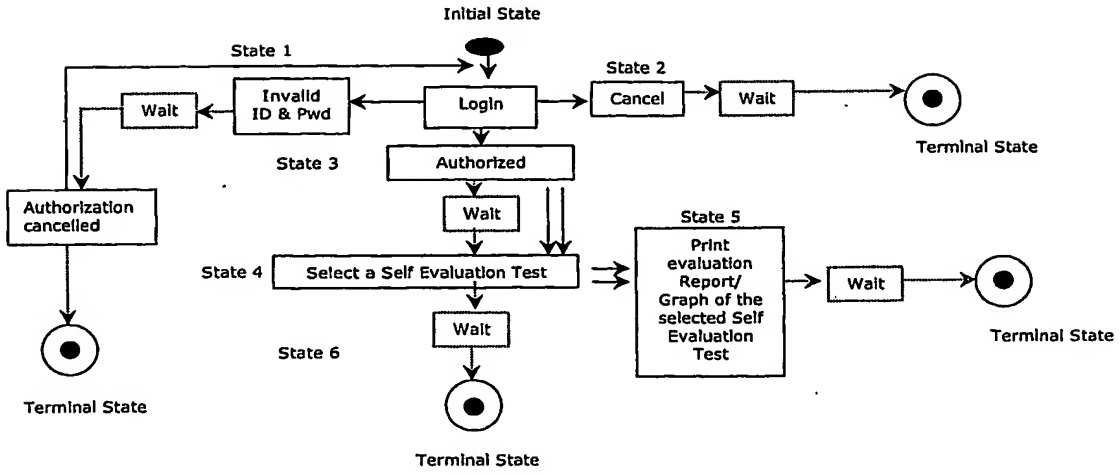

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization cancelled
Wait
State 5
State 4
Select a Self Evaluation Test
Print evaluation Report/ Graph of the selected Self Evaluation Test
Wait
Terminal State
Wait
State 6
Terminal State
Terminal State

FIG 28

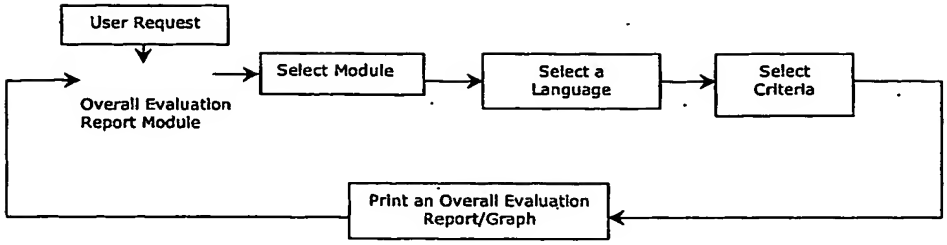


FIG 29

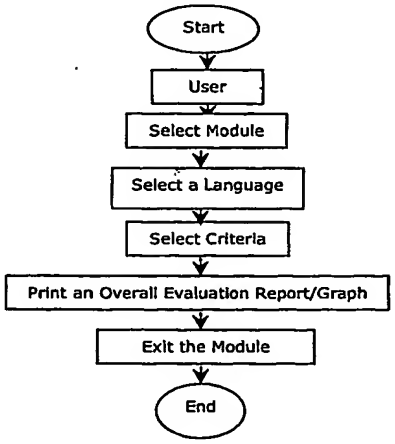


FIG 30

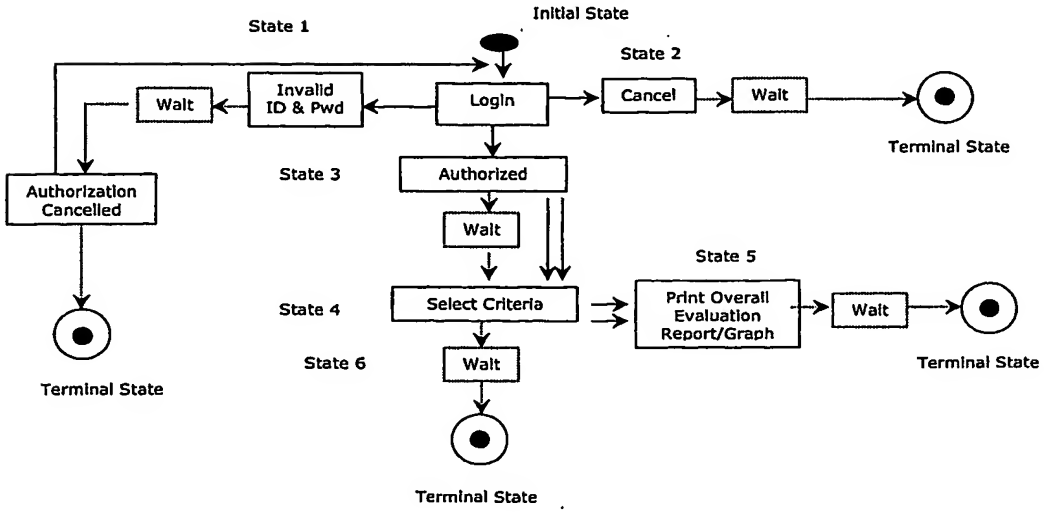


FIG 31

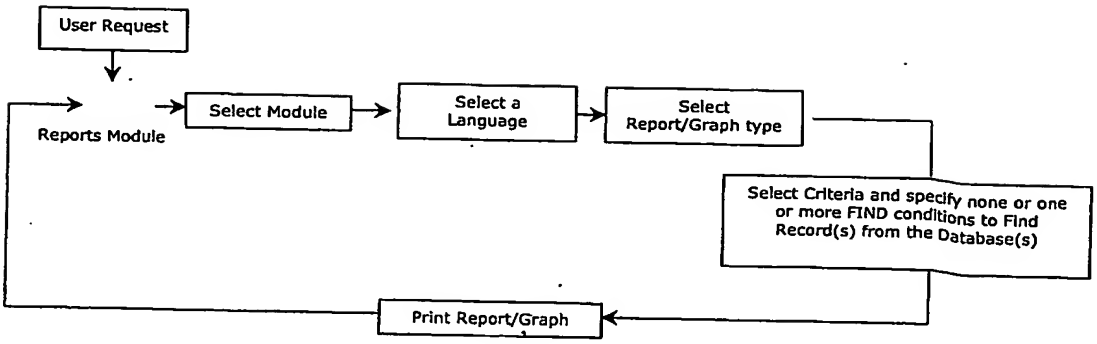

User Request
Reports Module
Select Module
Select a Language
Select Report/Graph type
Select Criteria and specify none or one or more FIND conditions to Find Record(s) from the Database(s)
Print Report/Graph

FIG 32

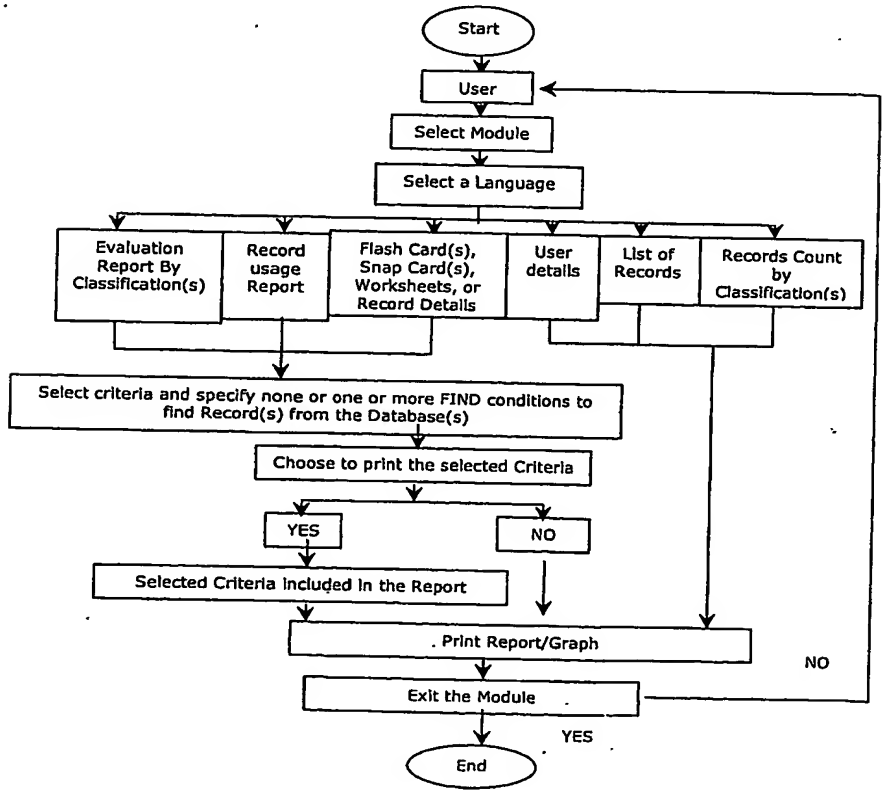

Start
User
Select Module
Select a Language
Evaluation Report By Classification(s)
Record usage Report
Flash Card(s), Snap Card(s), Worksheets, or Record Details
User details
List of Records
Records Count by Classification(s)
Select criteria and specify none or one or more FIND conditions to find Record(s) from the Database(s)
Choose to print the selected Criteria
YES
NO
Selected Criteria included in the Report
. Print Report/Graph
NO
Exit the Module
YES
End

FIG 33

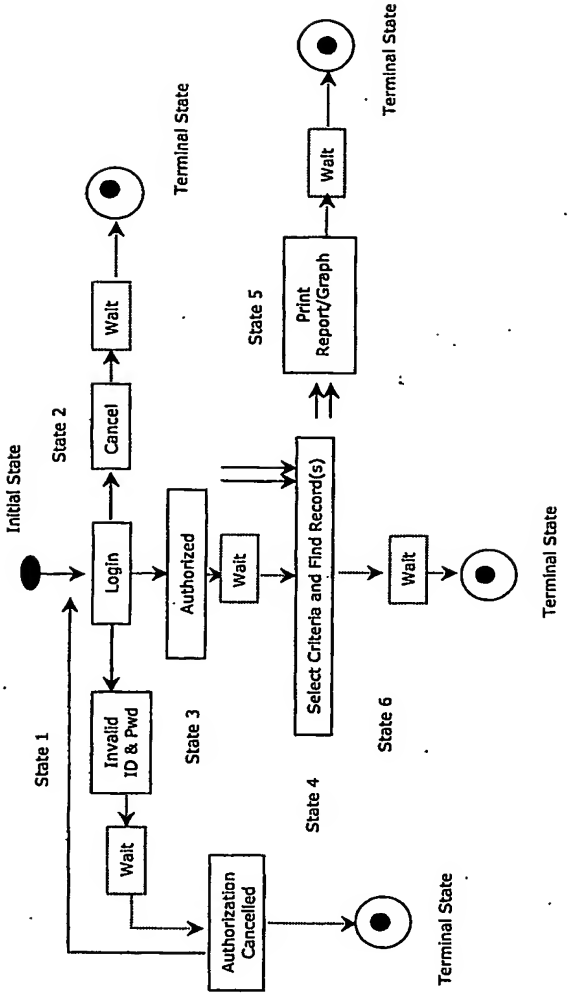

Initial State
State 1
Login
State 2
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
Cancel
Wait
Terminal State
Authorized
State 3
Wait
State 4
Select Criteria and Find Record(s)
State 5
Print Report/Graph
Wait
Terminal State
State 6
Wait
Terminal State

FIG 34

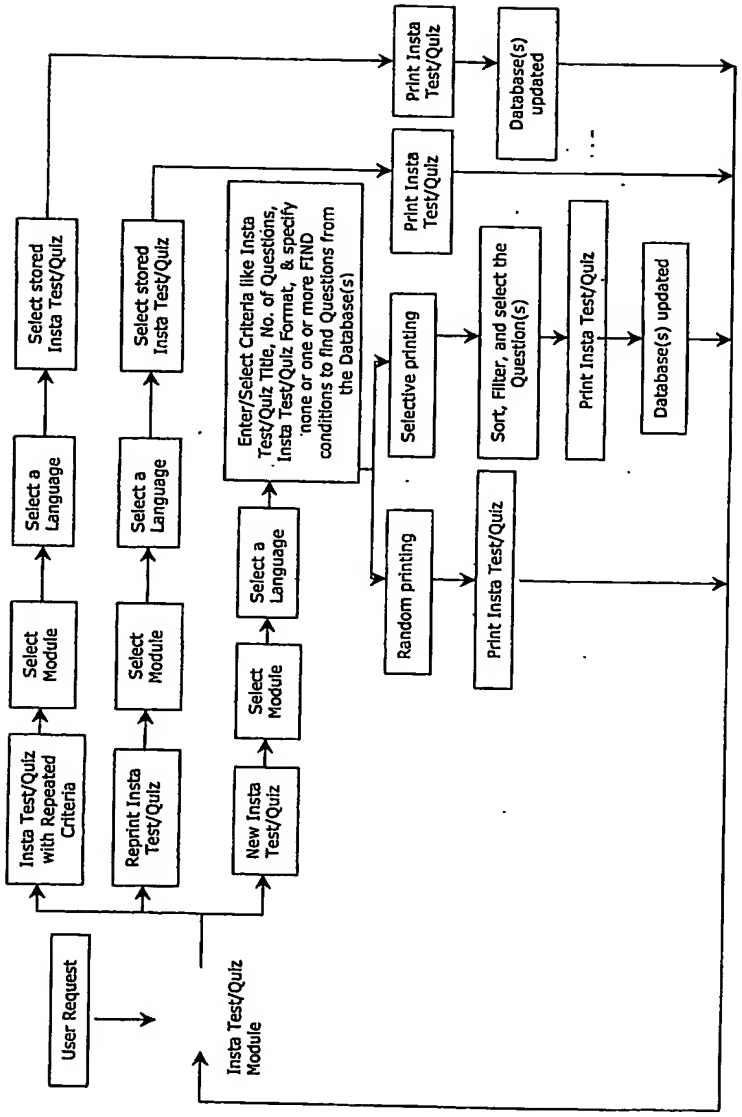

User Request
Insta Test/Quiz Module
Insta Test/Quiz with Repeated Criteria
Reprint Insta Test/Quiz
New Insta Test/Quiz
Select Module
Select Module
Select Module
Select a Language
Select a Language
Select a Language
Select stored Insta Test/Quiz
Select stored Insta Test/Quiz
Enter/Select Criteria like Insta Test/Quiz Title, No. of Questions, Insta Test/Quiz Format, & specify 'none or one or more FIND conditions to find Questions from the Database(s)
Random printing
Selective printing
Sort, Filter, and select the Question(s)
Print Insta Test/Quiz
Print Insta Test/Quiz
Print Insta Test/Quiz
Print Insta Test/Quiz
Database(s) updated
Database(s) updated

FIG 35

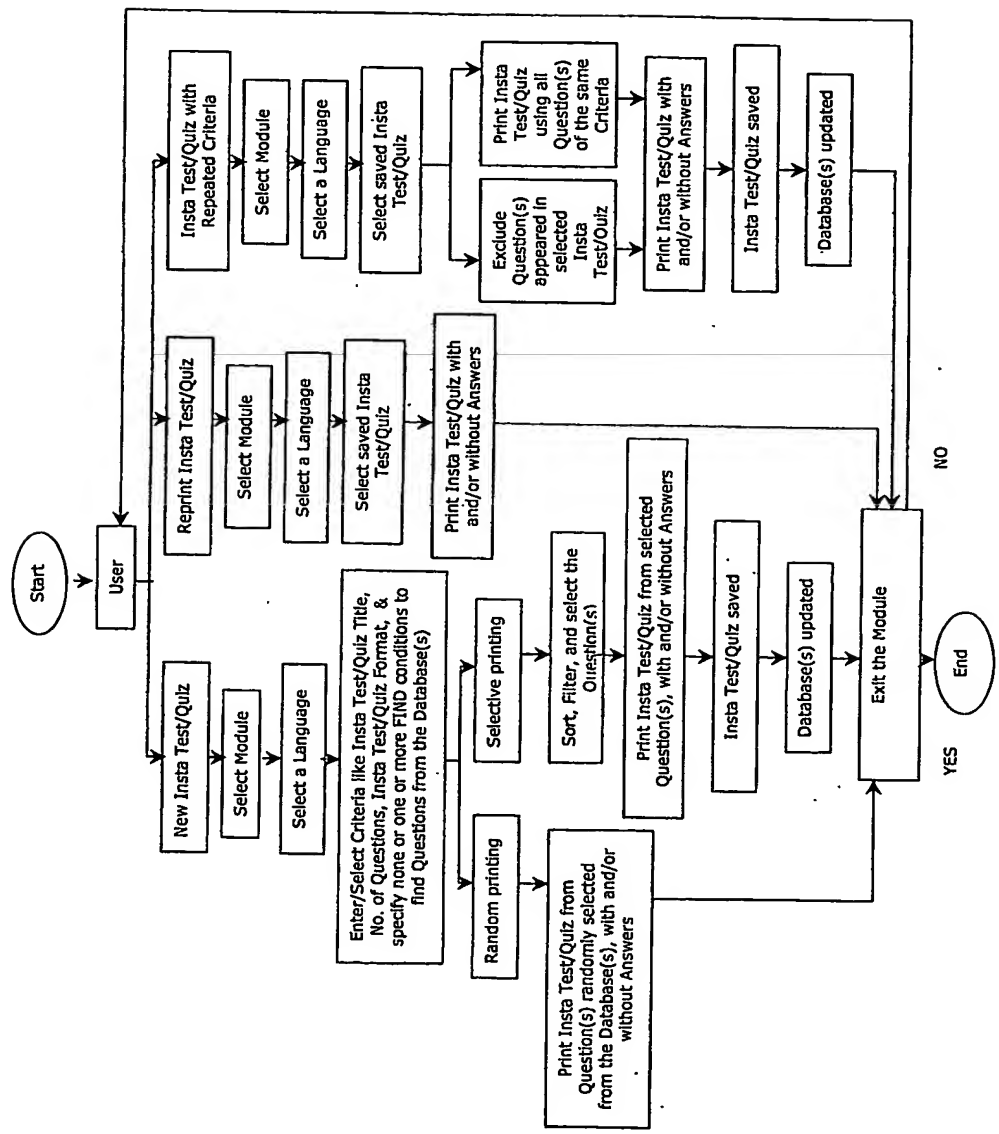

Start
User
New Insta Test/Quiz
Select Module
Select a Language
Enter/Select Criteria like Insta Test/Quiz Title, No. of Questions, Insta Test/Quiz Format, & specify none or one or more FIND conditions to find Questions from the Database(s)
Random printing
Print Insta Test/Quiz from Question(s) randomly selected from the Database(s), with and/or without Answers
Selective printing
Sort, Filter, and select the Question(s)
Print Insta Test/Quiz from selected Question(s), with and/or without Answers
Insta Test/Quiz saved
Database(s) updated
Reprint Insta Test/Quiz
Select Module
Select a Language
Select saved Insta Test/Quiz
Print Insta Test/Quiz with and/or without Answers
Insta Test/Quiz with Repeated Criteria
Select Module
Select a Language
Select saved Insta Test/Quiz
Exclude Question(s) appeared in selected Insta Test/Quiz
Print Insta Test/Quiz using all Question(s) of the same Criteria
Print Insta Test/Quiz with and/or without Answers
Insta Test/Quiz saved
Database(s) updated
Exit the Module
YES
NO
End

FIG 36

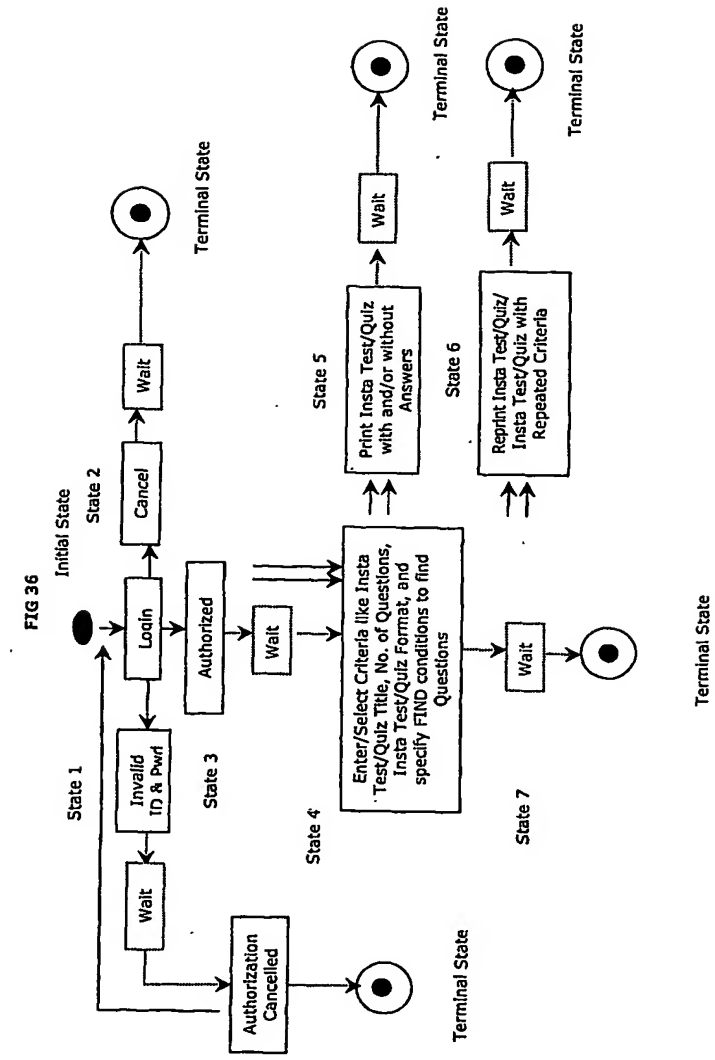

Initial State
State 1
State 2
State 3
State 4
State 5
State 6
State 7
Login
Invalid ID & Pwrd
Wait
Cancel
Wait
Authorized
Wait
Authorization Cancelled
Enter/Select Criteria like Insta Test/Quiz Title, No. of Questions, Insta Test/Quiz Format, and specify FIND conditions to find Questions
Wait
Print Insta Test/Quiz with and/or without Answers
Wait
Reprint Insta Test/Quiz/ Insta Test/Quiz with Repeated Criteria
Wait
Terminal State
Terminal State
Terminal State
Terminal State
Terminal State

FIG 37

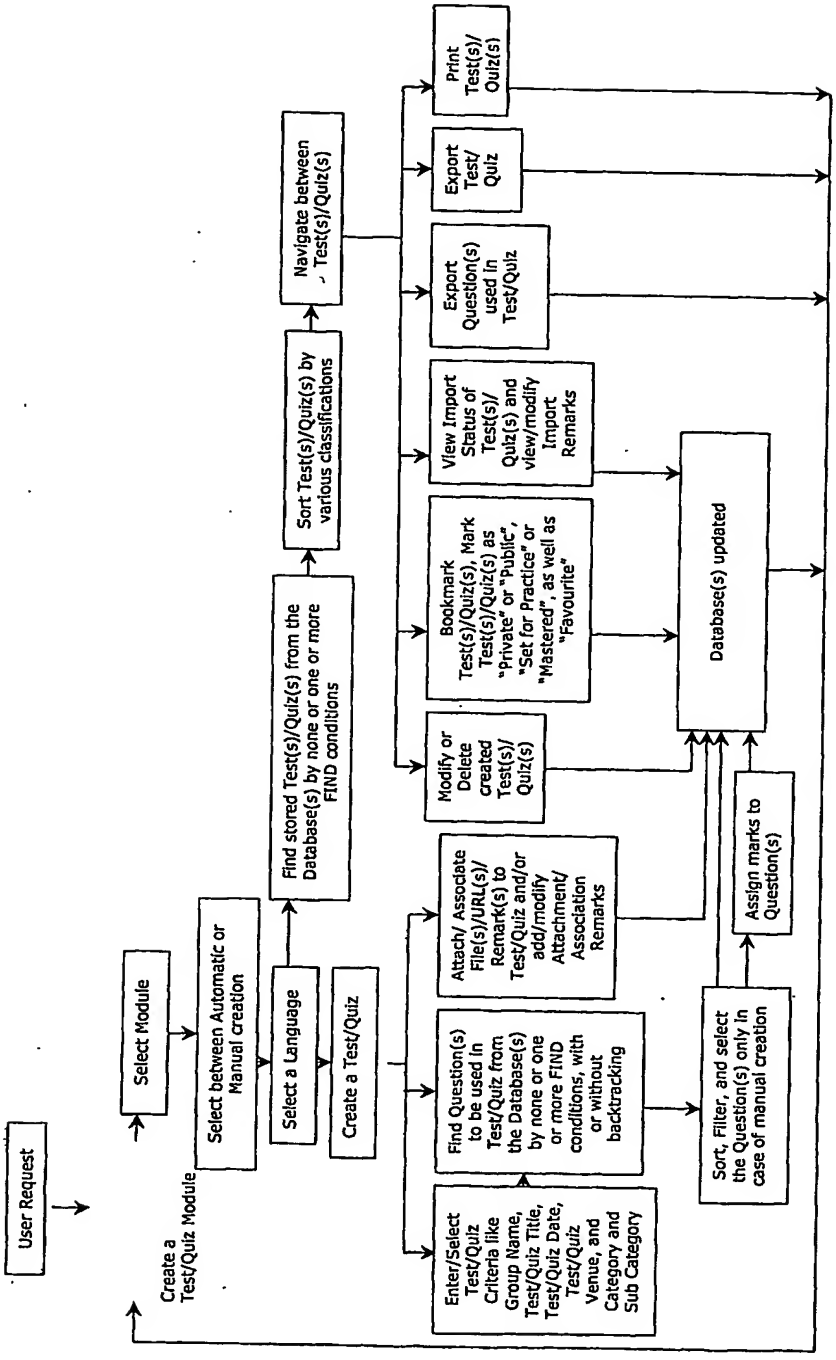

User Request
Create a Test/Quiz Module
Select Module
Select between Automatic or Manual creation
Select a Language
Create a Test/Quiz
Find stored Test(s)/Quiz(s) from the Database(s) by none or one or more FIND conditions
Sort Test(s)/Quiz(s) by various classifications
Navigate between Test(s)/Quiz(s)
Enter/Select Test/Quiz Criteria like Group Name, Test/Quiz Title, Test/Quiz Date, Test/Quiz Venue, and Category and Sub Category
Find Question(s) to be used in Test/Quiz from the Database(s) by none or one or more FIND conditions, with or without backtracking
Attach/ Associate File(s)/URL(s)/ Remark(s) to Test/Quiz and/or add/modify Attachment/ Association Remarks
Sort, Filter, and select the Question(s) only in case of manual creation
Assign marks to Question(s)
Modify or Delete created Test(s)/ Quiz(s)
Bookmark Test(s)/Quiz(s), Mark Test(s)/Quiz(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
View Import Status of Test(s)/ Quiz(s) and view/modify Import Remarks
Export Question(s) used in Test/Quiz
Export Test/ Quiz
Print Test(s)/ Quiz(s)
Database(s) updated

FIG 38

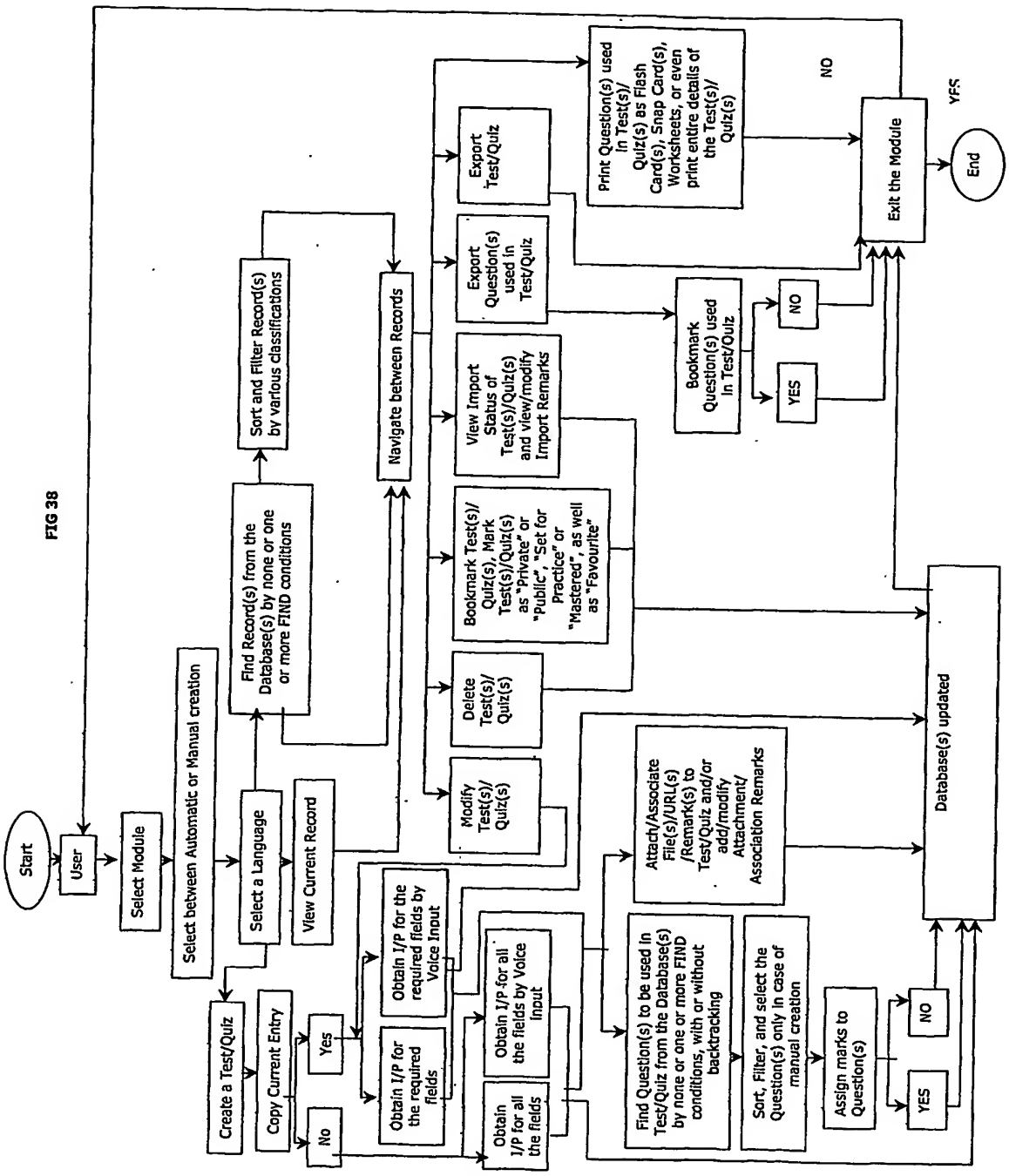

Start
User
Select Module
Select between Automatic or Manual creation
Create a Test/Quiz
Copy Current Entry
Select a Language
View Current Record
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort and Filter Record(s) by various classifications
Navigate between Records
Export Test/Quiz
Export Question(s) used in Test/Quiz
View Import Status of Test(s)/Quiz(s) and view/modify Import Remarks
Bookmark Test(s)/ Quiz(s), Mark Test(s)/Quiz(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
Delete Test(s)/ Quiz(s)
Modify Test(s)/ Quiz(s)
Print Question(s) used in Test(s)/ Quiz(s) as Flash Card(s), Snap Card(s), Worksheets, or even print entire details of the Test(s)/ Quiz(s)
Bookmark Question(s) used in Test/Quiz
NO
YES
NO
Exit the Module
YES
End
Yes
No
Obtain I/P for the required fields
Obtain I/P for the required fields by Voice Input
Obtain I/P for all the fields
Obtain I/P for all the fields by Voice Input
Attach/Associate File(s)/URL(s) /Remark(s) to Test/Quiz and/or add/modify Attachment/ Association Remarks
Find Question(s) to be used in Test/Quiz from the Database(s) by none or one or more FIND conditions, with or without backtracking
Sort, Filter, and select the Question(s) only in case of manual creation
Assign marks to Question(s)
YES
NO
Database(s) updated

FIG 39

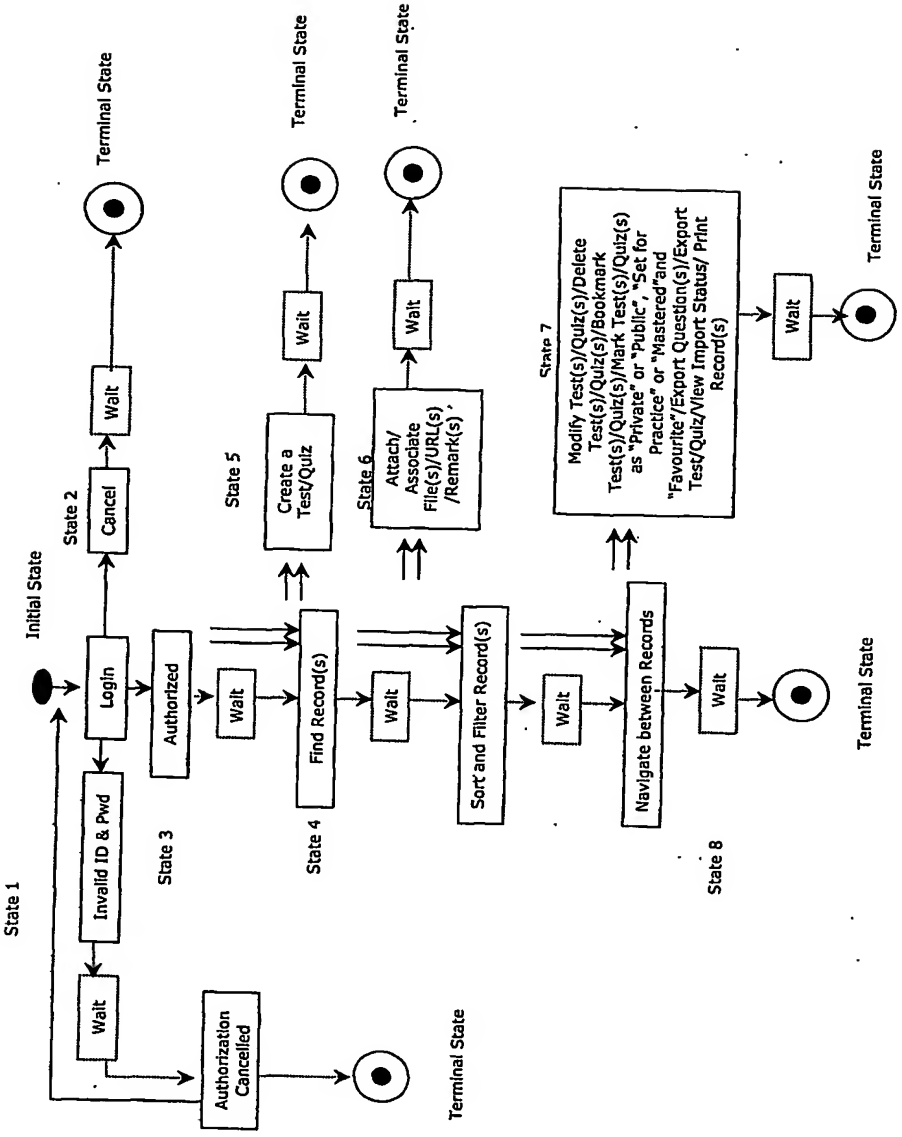

State 1
Initial State
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
State 4
Find Record(s)
Wait
State 5
Create a Test/Quiz
Wait
Terminal State
State 6
Attach/ Associate File(s)/URL(s) /Remark(s)'
Wait
Terminal State
Sort and Filter Record(s)
Wait
State 7
Modify Test(s)/Quiz(s)/Delete Test(s)/Quiz(s)/Bookmark Test(s)/Quiz(s)/Mark Test(s)/Quiz(s) as "Private" or "Public", "Set for Practice" or "Mastered"and "Favourite"/Export Question(s)/Export Test/Quiz/View Import Status/ Print Record(s)
Navigate between Records
Wait
State 8
Terminal State
Wait
Terminal State

FIG 40

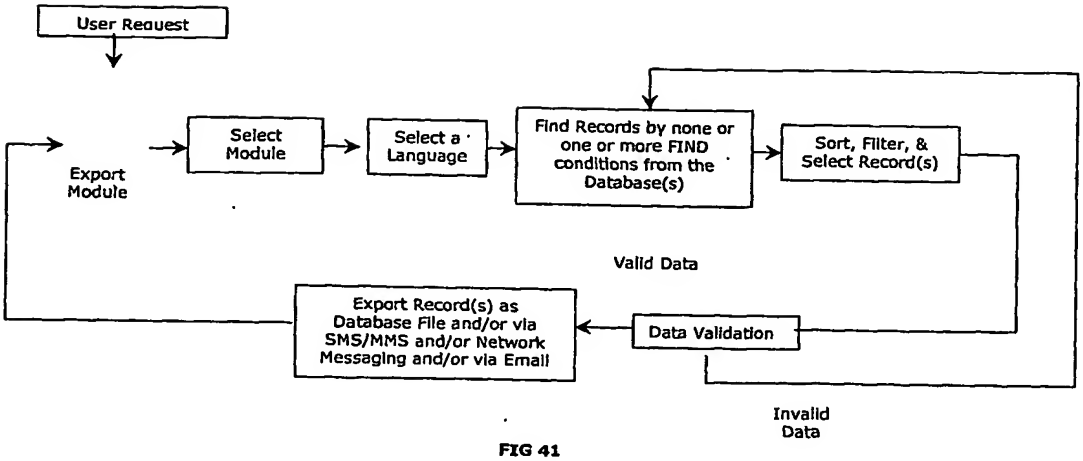

User Request
Export Module
Select Module
Select a Language
Find Records by none or one or more FIND conditions from the Database(s)
Sort, Filter, & Select Record(s)
Valid Data
Export Record(s) as Database File and/or via SMS/MMS and/or Network Messaging and/or via Email
Data Validation
Invalid Data

FIG 41

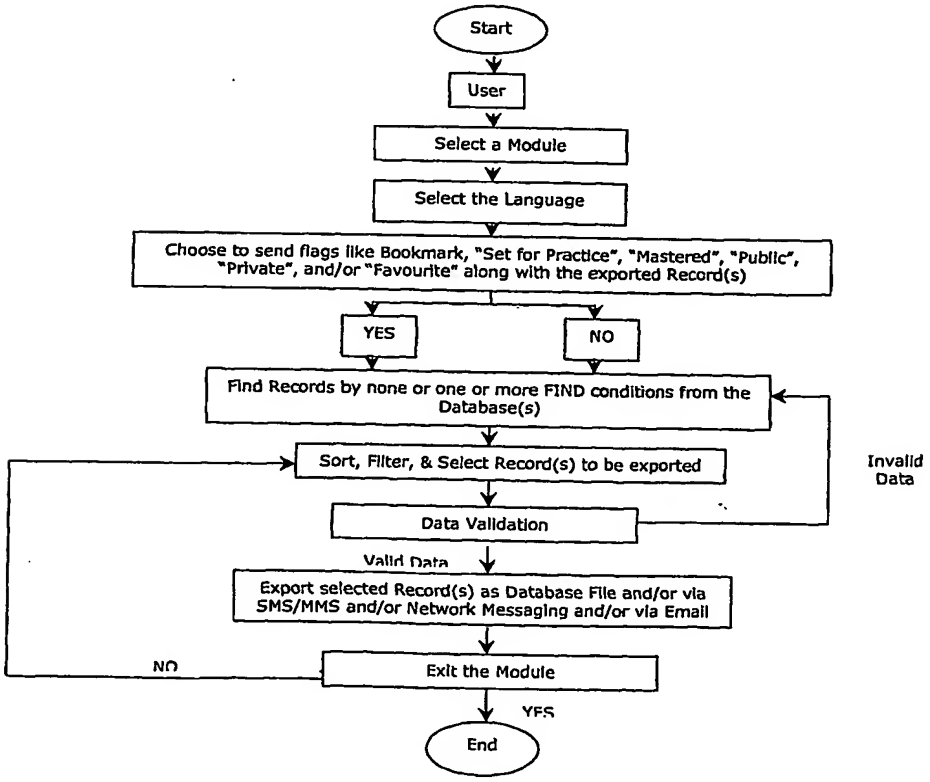

Start
User
Select a Module
Select the Language
Choose to send flags like Bookmark, "Set for Practice", "Mastered", "Public", "Private", and/or "Favourite" along with the exported Record(s)
YES
NO
Find Records by none or one or more FIND conditions from the Database(s)
Sort, Filter, & Select Record(s) to be exported
Invalid Data
Data Validation
Valid Data
Export selected Record(s) as Database File and/or via SMS/MMS and/or Network Messaging and/or via Email
NO
Exit the Module
YES
End

FIG 42

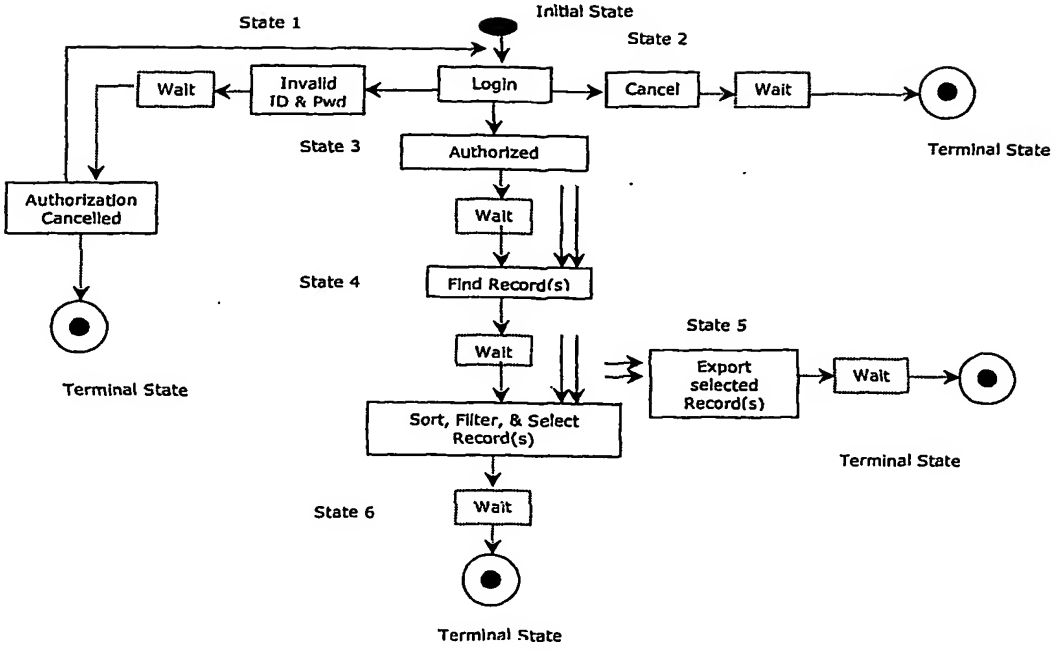

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
Terminal State
State 4
Find Record(s)
State 5
Wait
Export selected Record(s)
Wait
Terminal State
Sort, Filter, & Select Record(s)
State 6
Wait
Terminal State

FIG 43

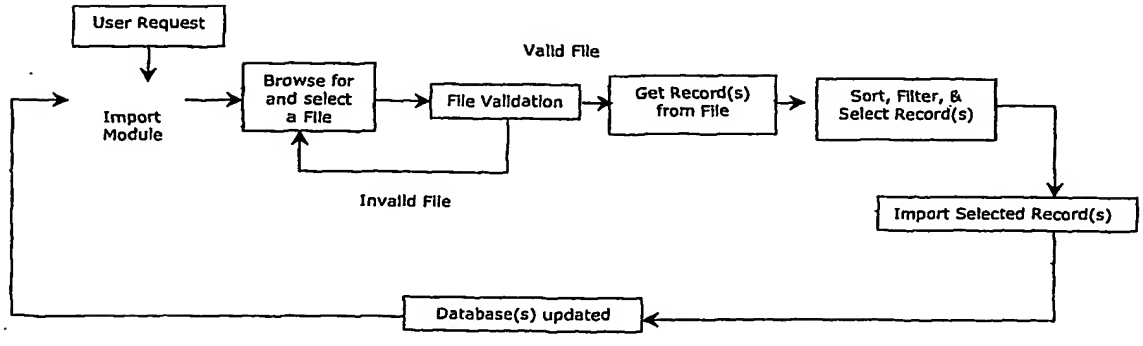

User Request
Import Module
Browse for and select a File
Valid File
File Validation
Get Record(s) from File
Sort, Filter, & Select Record(s)
Invalid File
Import Selected Record(s)
Database(s) updated

FIG 44

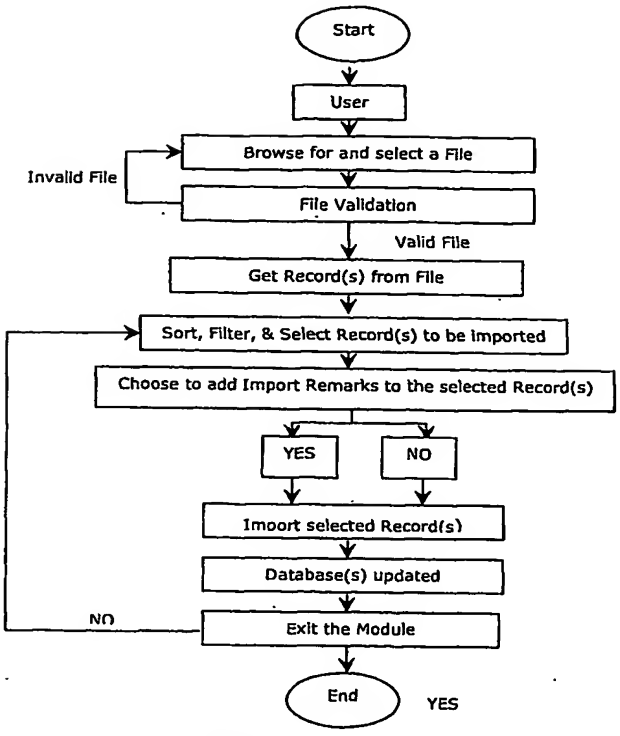

Start
User
Browse for and select a File
Invalid File
File Validation
Valid File
Get Record(s) from File
Sort, Filter, & Select Record(s) to be Imported
Choose to add Import Remarks to the selected Record(s)
YES
NO
Imoort selected Record(s)
Database(s) updated
NO
Exit the Module
End
YES

FIG 45

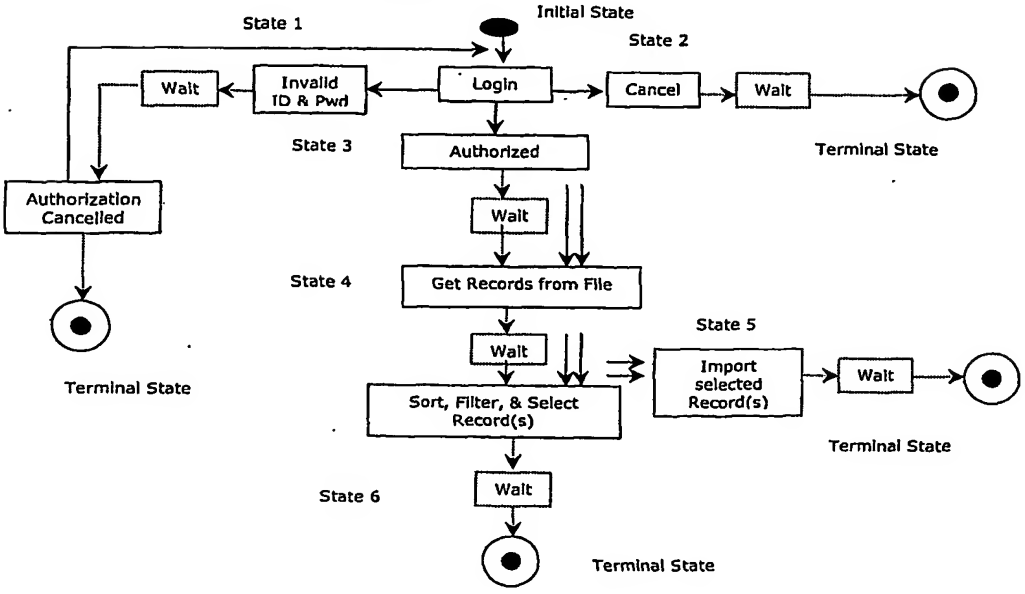

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
State 3
Authorized
Terminal State
Authorization Cancelled
Wait
State 4
Get Records from File
State 5
Terminal State
Wait
Import selected Record(s)
Wait
Sort, Filter, & Select Record(s)
Terminal State
State 6
Wait
Terminal State

FIG 46

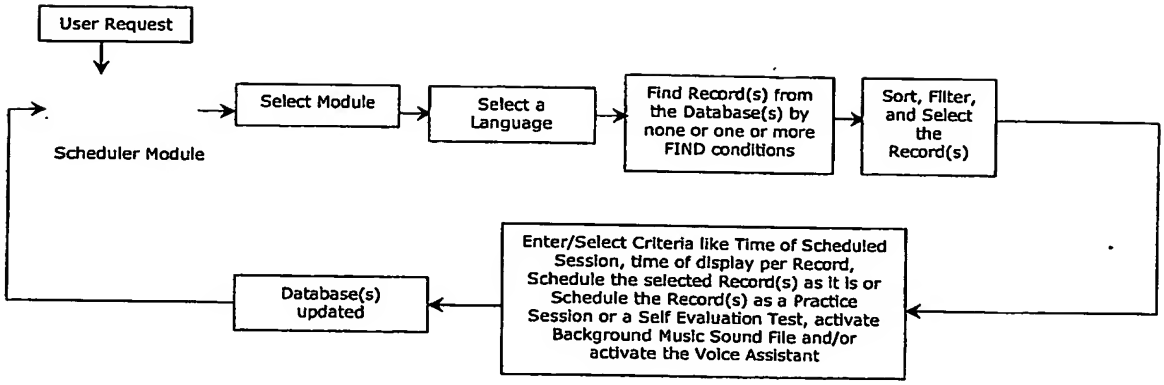

User Request
Scheduler Module
Select Module
Select a Language
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort, Filter, and Select the Record(s)
Enter/Select Criteria like Time of Scheduled Session, time of display per Record, Schedule the selected Record(s) as it is or Schedule the Record(s) as a Practice Session or a Self Evaluation Test, activate Background Music Sound File and/or activate the Voice Assistant
Database(s) updated

FIG 47

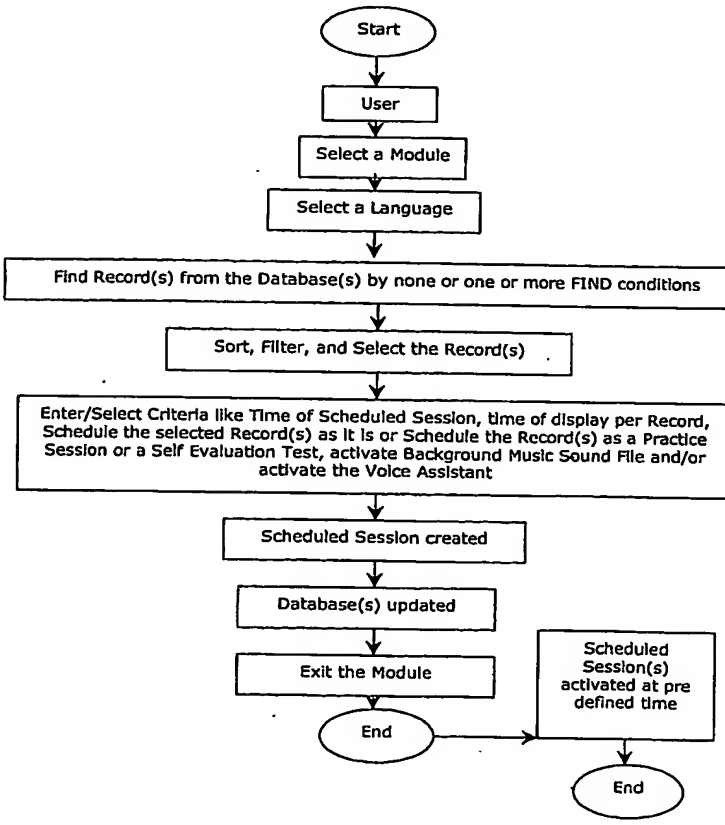

Start
User
Select a Module
Select a Language
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort, Filter, and Select the Record(s)
Enter/Select Criteria like Time of Scheduled Session, time of display per Record, Schedule the selected Record(s) as it is or Schedule the Record(s) as a Practice Session or a Self Evaluation Test, activate Background Music Sound File and/or activate the Voice Assistant
Scheduled Session created
Database(s) updated
Exit the Module
End
Scheduled Session(s) activated at pre defined time
End

FIG 48

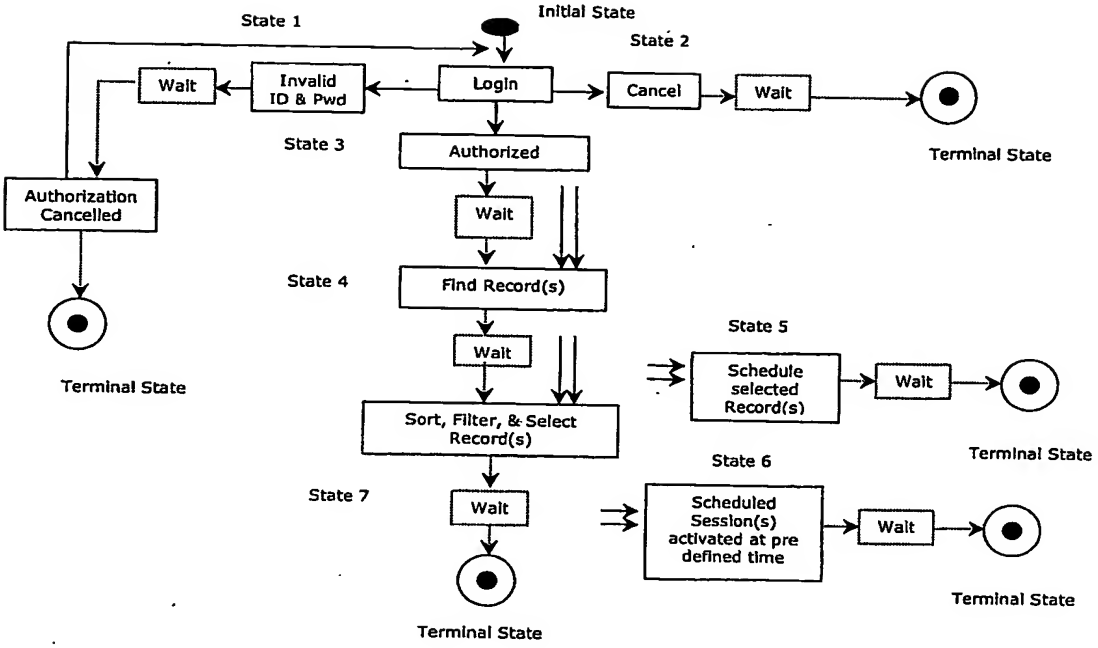

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 4
Find Record(s)
Terminal State
State 5
Wait
Schedule selected Record(s)
Wait
Terminal State
Sort, Filter, & Select Record(s)
State 6
State 7
Wait
Scheduled Session(s) activated at pre defined time
Wait
Terminal State
Terminal State

FIG 49

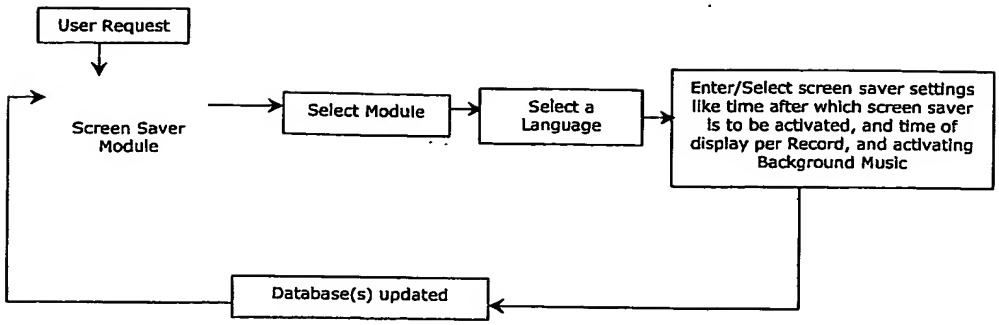

User Request
Screen Saver Module
Select Module
Select a Language
Enter/Select screen saver settings like time after which screen saver is to be activated, and time of display per Record, and activating Background Music
Database(s) updated

FIG 50

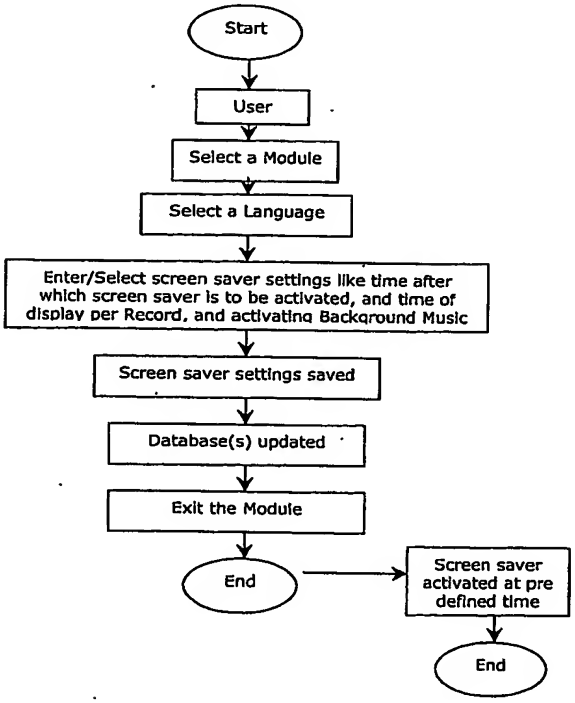

Start
User
Select a Module
Select a Language
Enter/Select screen saver settings like time after which screen saver is to be activated, and time of display per Record, and activating Background Music
Screen saver settings saved
Database(s) updated
Exit the Module
End
Screen saver activated at pre defined time
End

FIG 51

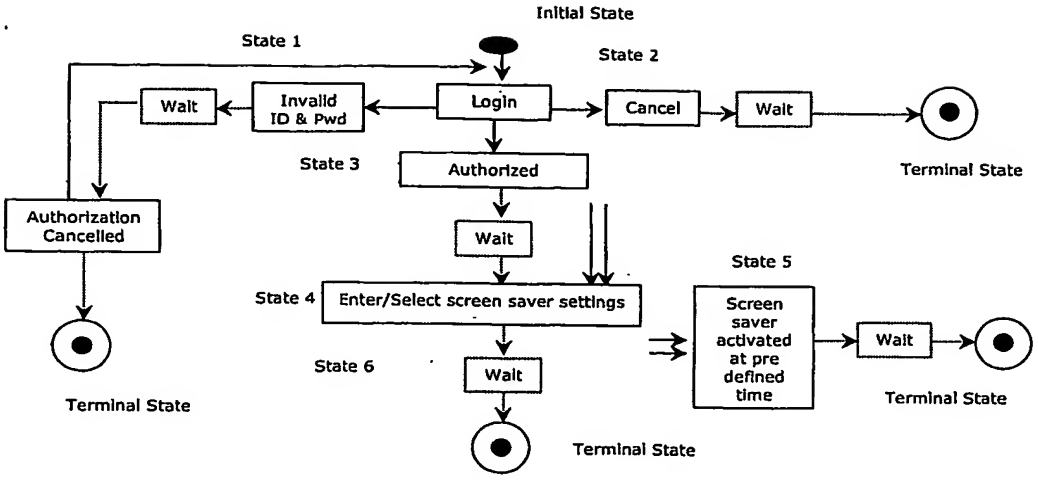

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 5
State 4
Enter/Select screen saver settings
Screen saver activated at pre defined time
Wait
Terminal State
State 6
Wait
Terminal State
Terminal State

FIG 52

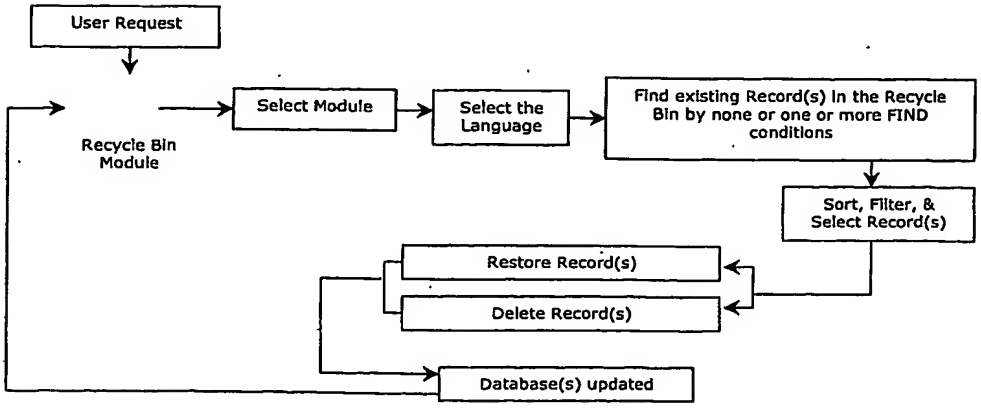

User Request
Recycle Bin Module
Select Module
Select the Language
Find existing Record(s) in the Recycle Bin by none or one or more FIND conditions
Sort, Filter, & Select Record(s)
Restore Record(s)
Delete Record(s)
Database(s) updated

FIG 53

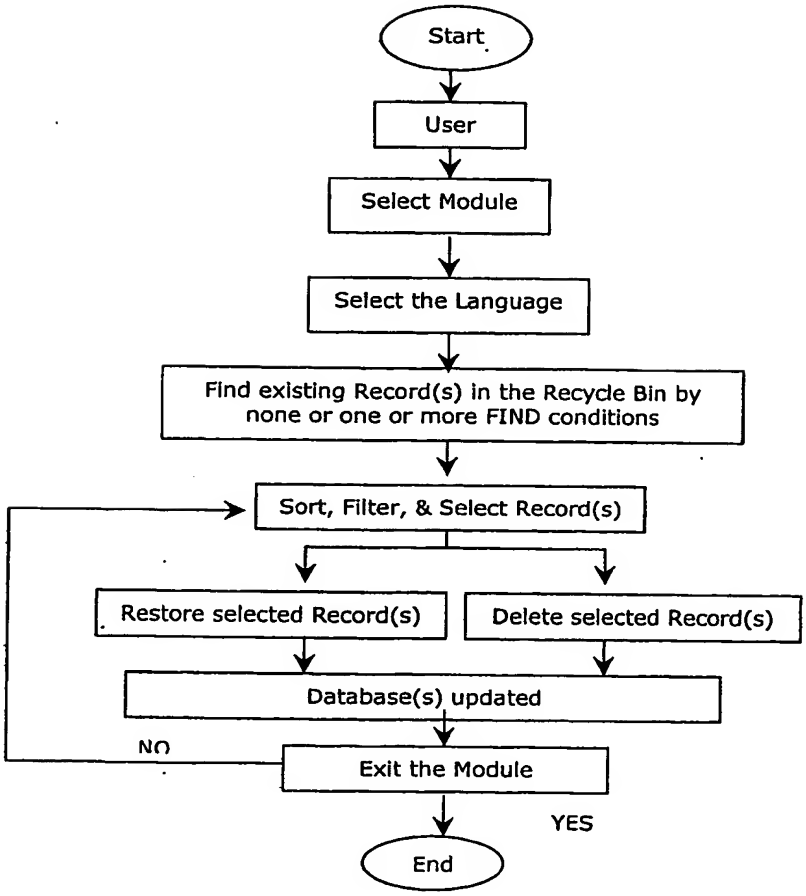

Start
User
Select Module
Select the Language
Find existing Record(s) in the Recycle Bin by none or one or more FIND conditions
Sort, Filter, & Select Record(s)
Restore selected Record(s)
Delete selected Record(s)
Database(s) updated
NO
Exit the Module
YES
End

FIG 54

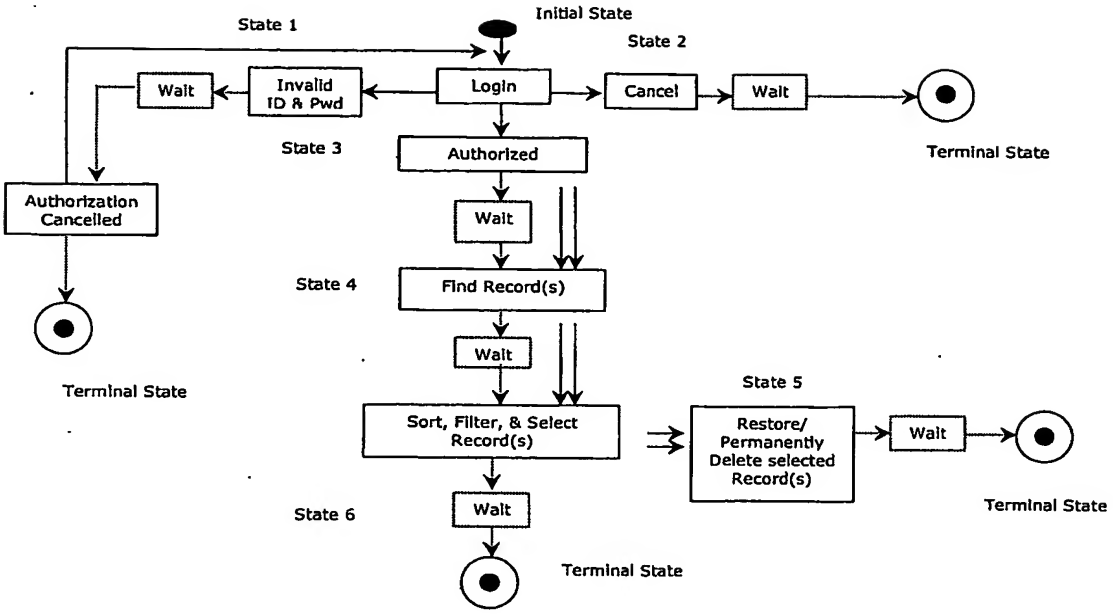

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 4
Find Record(s)
Wait
Terminal State
State 5
Sort, Filter, & Select Record(s)
Restore/ Permanently Delete selected Record(s)
Wait
Terminal State
State 6
Wait
Terminal State

FIG 55

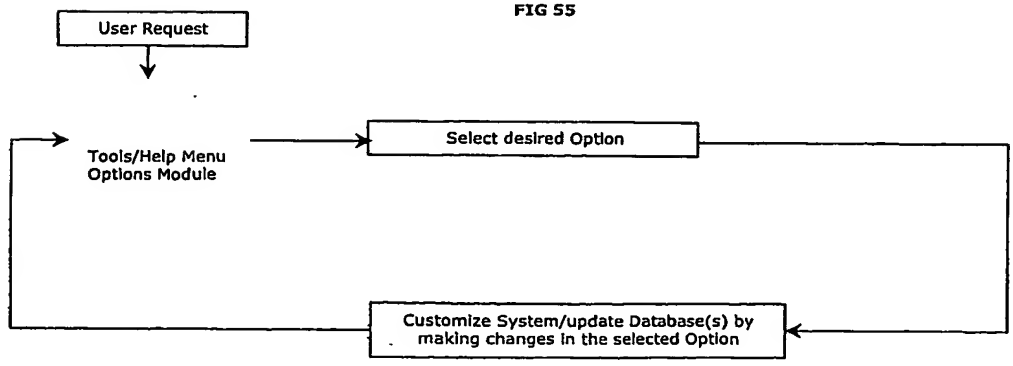

User Request
Tools/Help Menu Options Module
Select desired Option
Customize System/update Database(s) by making changes in the selected Option

FIG 56

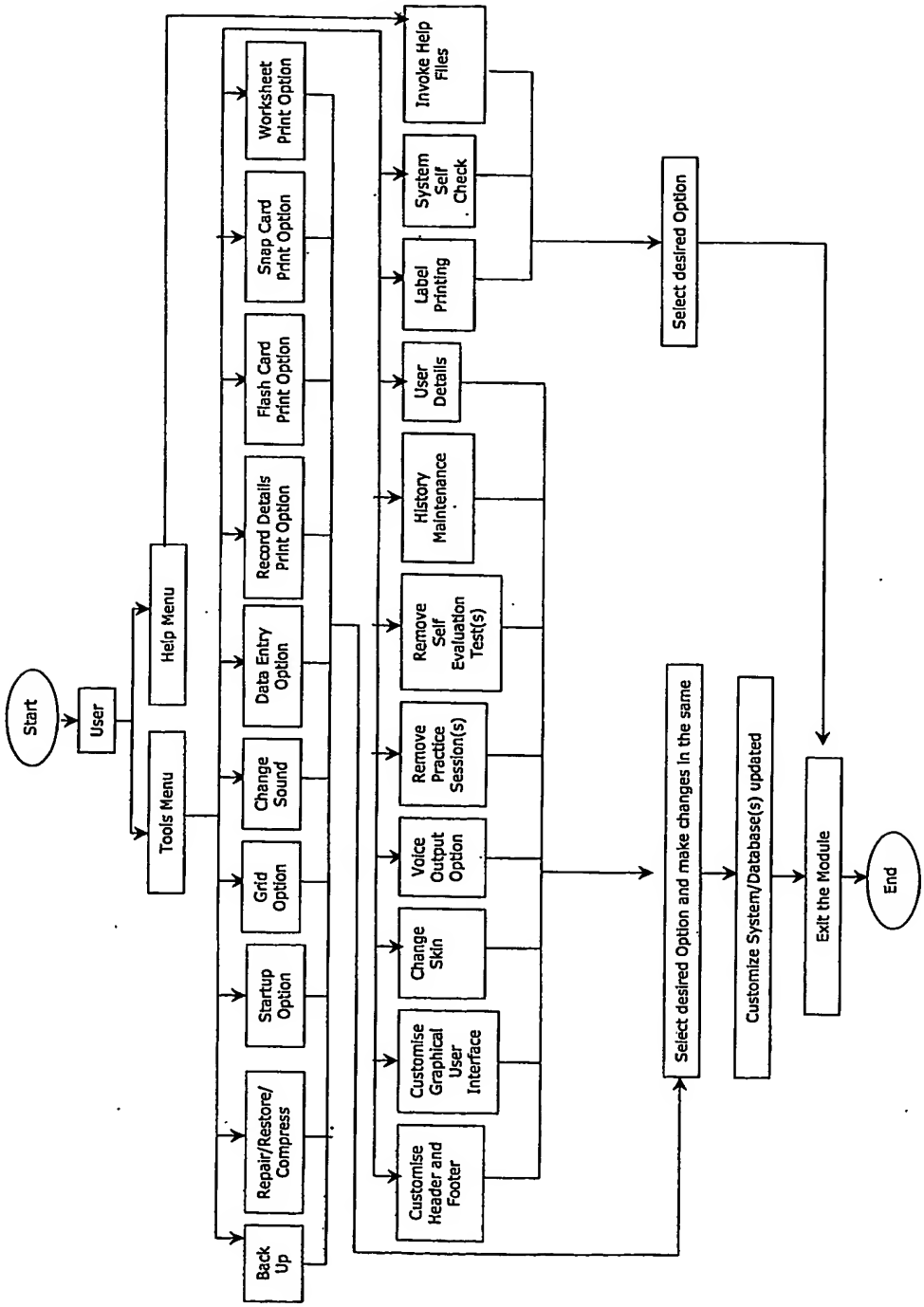
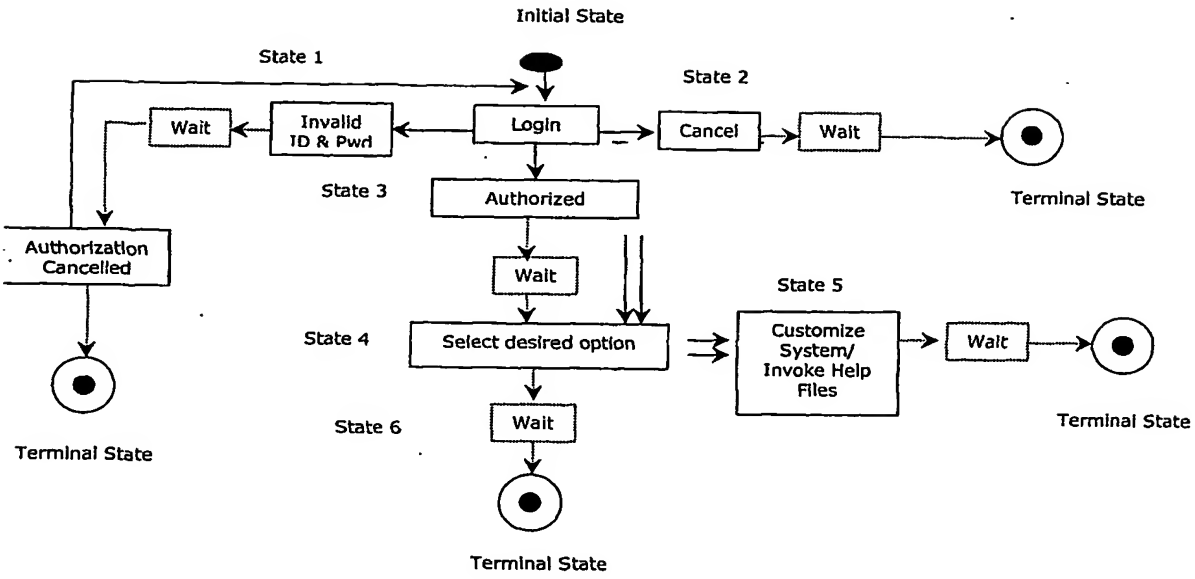

Start
User
Help Menu
Tools Menu
Invoke Help Files
System Self Check
Label Printing
User Details
History Maintenance
Remove Self Evaluation Test(s)
Remove Practice Session(s)
Voice Output Option
Change Skin
Customise Graphical User Interface
Customise Header and Footer
Worksheet Print Option
Snap Card Print Option
Flash Card Print Option
Record Details Print Option
Data Entry Option
Change Sound
Grid Option
Startup Option
Repair/Restore/ Compress
Back Up
Select desired Option
Select desired Option and make changes in the same
Customize System/Database(s) updated
Exit the Module
End

FIG 57


Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 5
State 4
Select desired option
Customize System/ Invoke Help Files
Wait
Terminal State
State 6
Wait
Terminal State
Terminal State

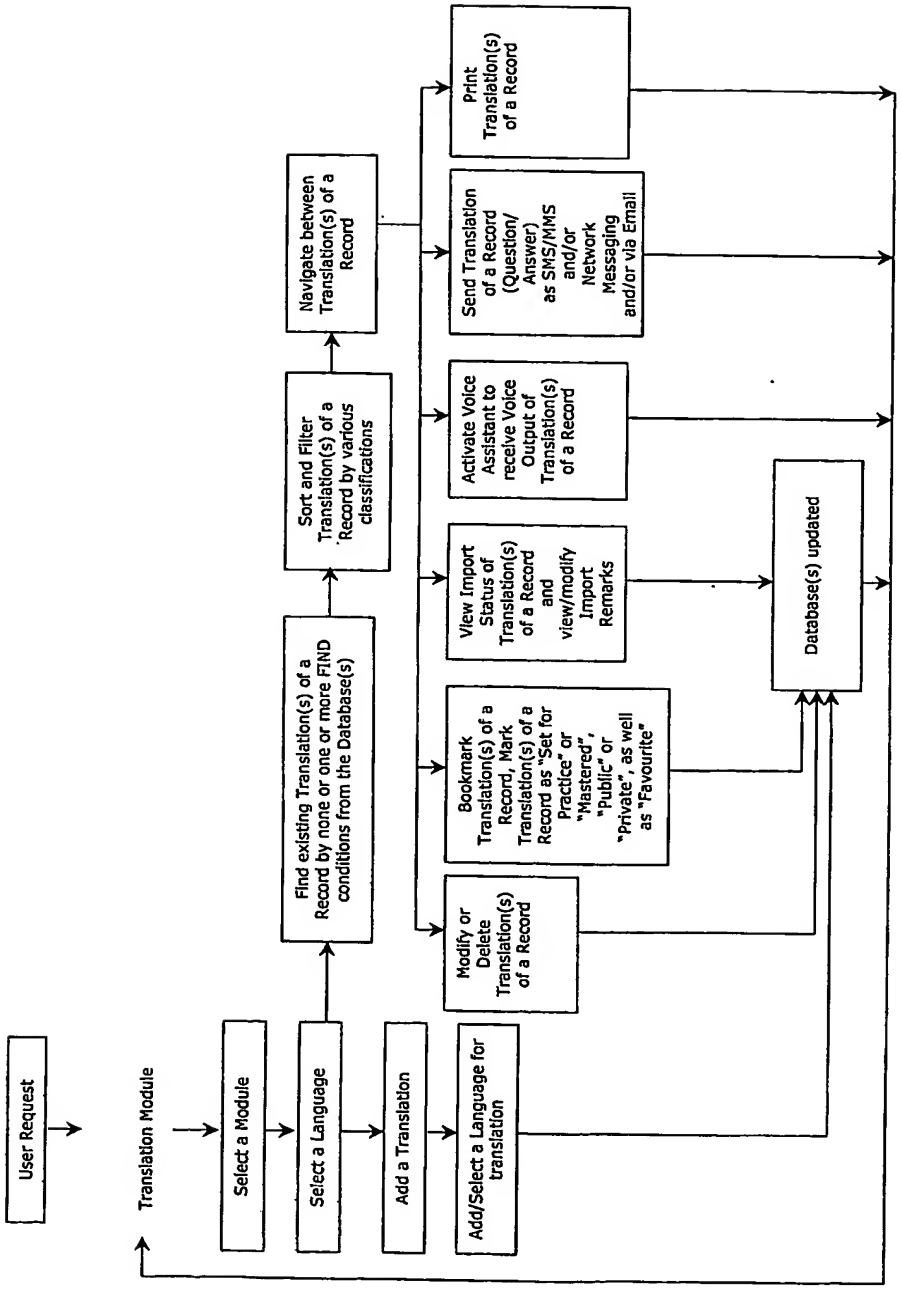

User Request
Translation Module
Select a Module
Select a Language
Add a Translation
Add/Select a Language for translation
Find existing Translation(s) of a Record by none or one or more FIND conditions from the Database(s)
Sort and Filter Translation(s) of a Record by various classifications
Navigate between Translation(s) of a Record
Modify or Delete Translation(s) of a Record
Bookmark Translation(s) of a Record, Mark Translation(s) of a Record as "Set for Practice" or "Mastered", "Public" or "Private", as well as "Favourite"
View Import Status of Translation(s) of a Record and view/modify Import Remarks
Activate Voice Assistant to receive Voice Output of Translation(s) of a Record
Send Translation of a Record (Question/ Answer) as SMS/MMS and/or Network Messaging and/or via Email
Print Translation(s) of a Record
Database(s) updated

FIG 58

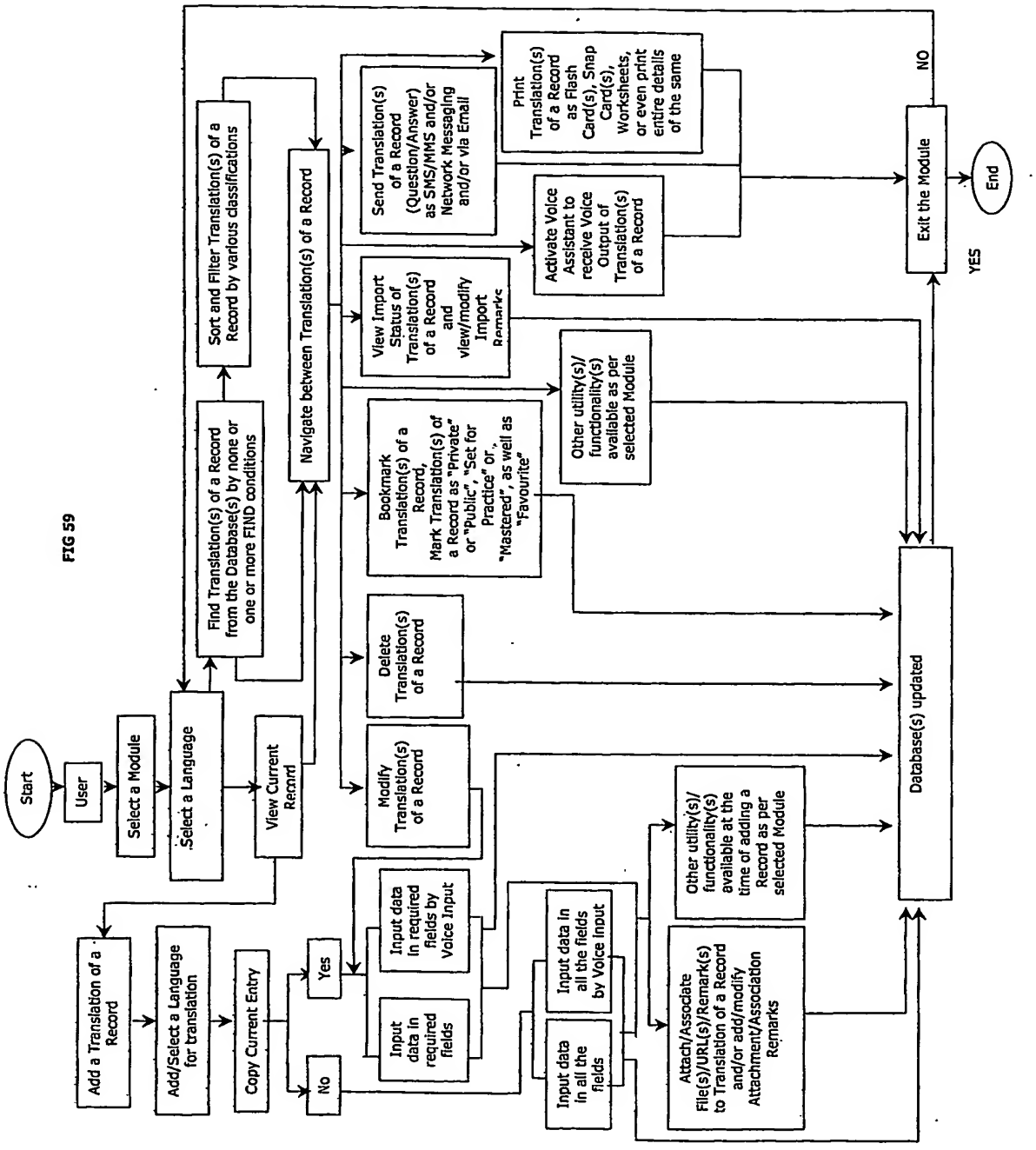

Start
User
Select a Module
Select a Language
View Current Record
Find Translation(s) of a Record from the Database(s) by none or one or more FIND conditions
Sort and Filter Translation(s) of a Record by various classifications
Navigate between Translation(s) of a Record
Add a Translation of a Record
Add/Select a Language for translation
Copy Current Entry
Yes
No
Input data in required fields by Voice Input
Input data in required fields
Input data in all the fields by Voice Input
Input data in all the fields
Modify Translation(s) of a Record
Delete Translation(s) of a Record
Bookmark Translation(s) of a Record, Mark Translation(s) of a Record as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"
Other utility(s)/ functionality(s) available as per selected Module
View Import Status of Translation(s) of a Record and view/modify Import Remarks
Send Translation(s) of a Record (Question/Answer) as SMS/MMS and/or Network Messaging and/or via Email
Activate Voice Assistant to receive Voice Output of Translation(s) of a Record
Print Translation(s) of a Record as Flash Card(s), Snap Card(s), Worksheets, or even print entire details of the same
Attach/Associate File(s)/URL(s)/Remark(s) to Translation of a Record and/or add/modify Attachment/Association Remarks
Other utility(s)/ functionality(s) available at the time of adding a Record as per selected Module
Database(s) updated
Exit the Module
NO
YES
End

FIG 59

FIG 60

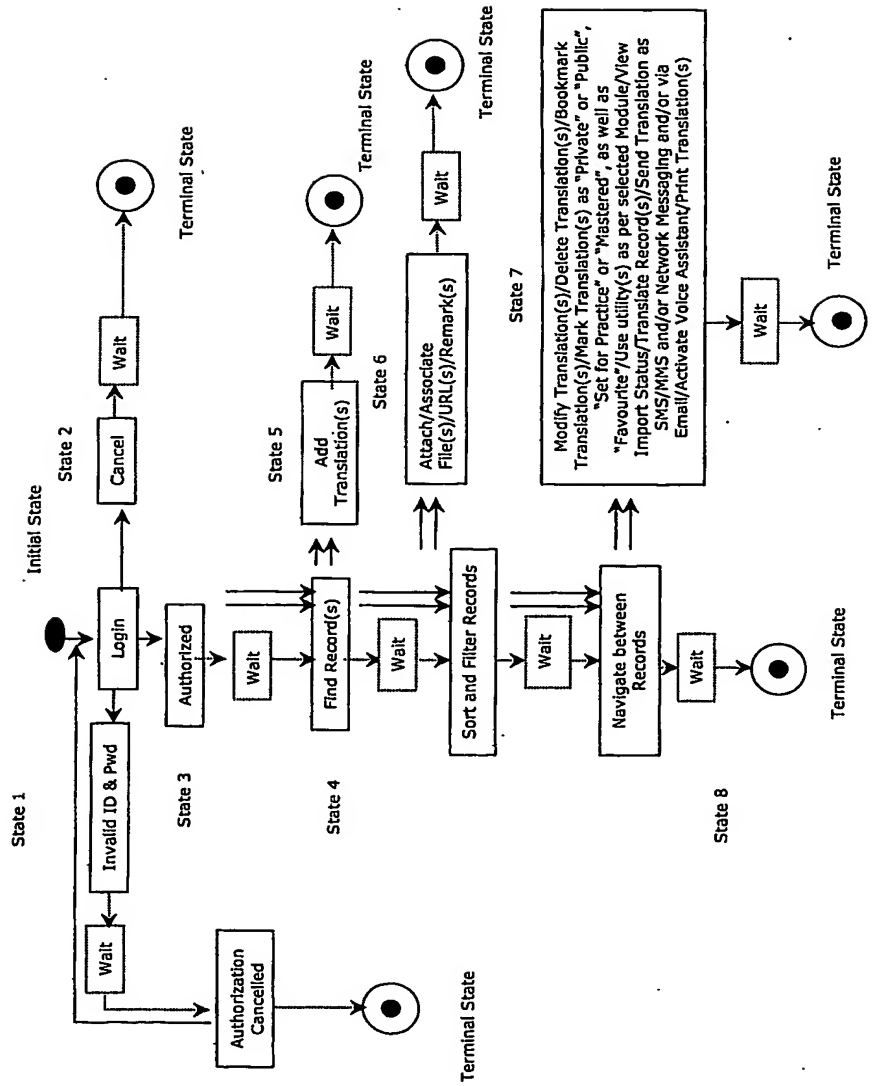
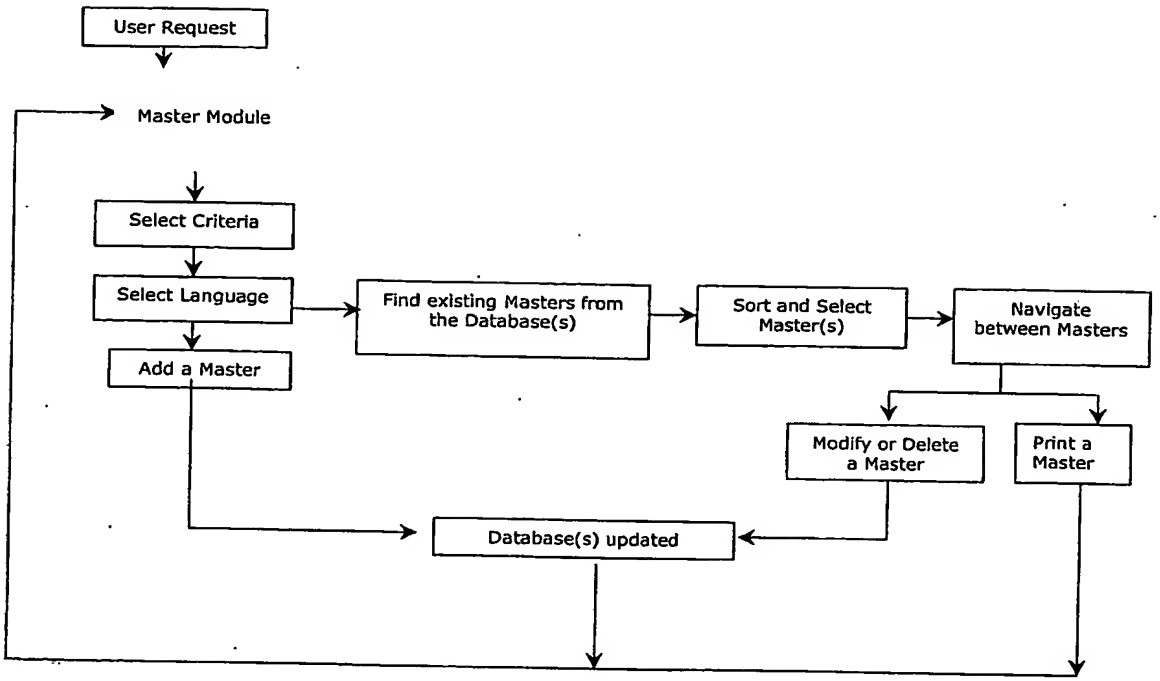

State 1
Initial State
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
State 4
Find Record(s)
Wait
State 5
Add Translation(s)
Wait
Terminal State
State 6
Attach/Associate File(s)/URL(s)/Remark(s)
Wait
Terminal State
State 7
Sort and Filter Records
Wait
Navigate between Records
Wait
State 8
Terminal State
Modify Translation(s)/Delete Translation(s)/Bookmark Translation(s)/Mark Translation(s) as "Private" or "Public", "Set for Practice" or "Mastered", as well as "Favourite"/Use utility(s) as per selected Module/View Import Status/Translate Record(s)/Send Translation as SMS/MMS and/or Network Messaging and/or via Email/Activate Voice Assistant/Print Translation(s)
Wait
Terminal State

FIG 61


User Request
Master Module
Select Criteria
Select Language
Add a Master
Find existing Masters from the Database(s)
Sort and Select Master(s)
Navigate between Masters
Modify or Delete a Master
Print a Master
Database(s) updated

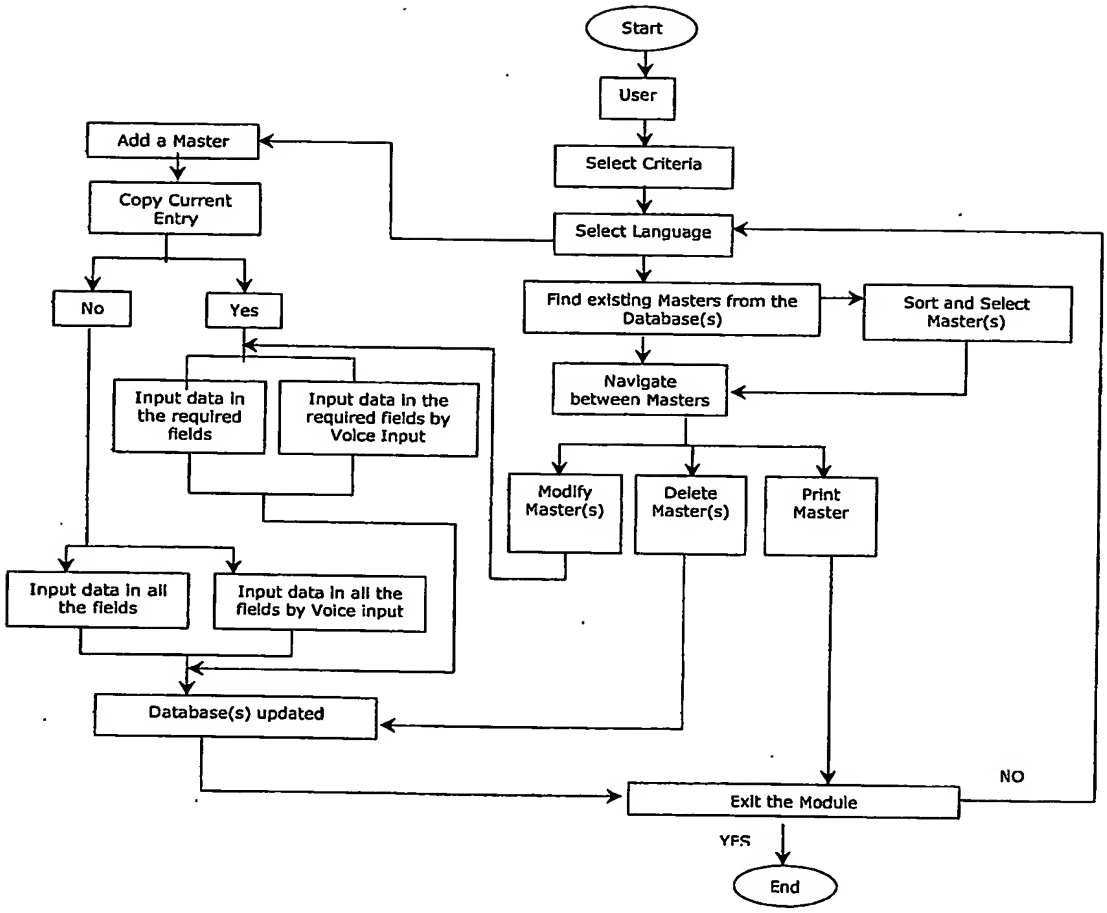
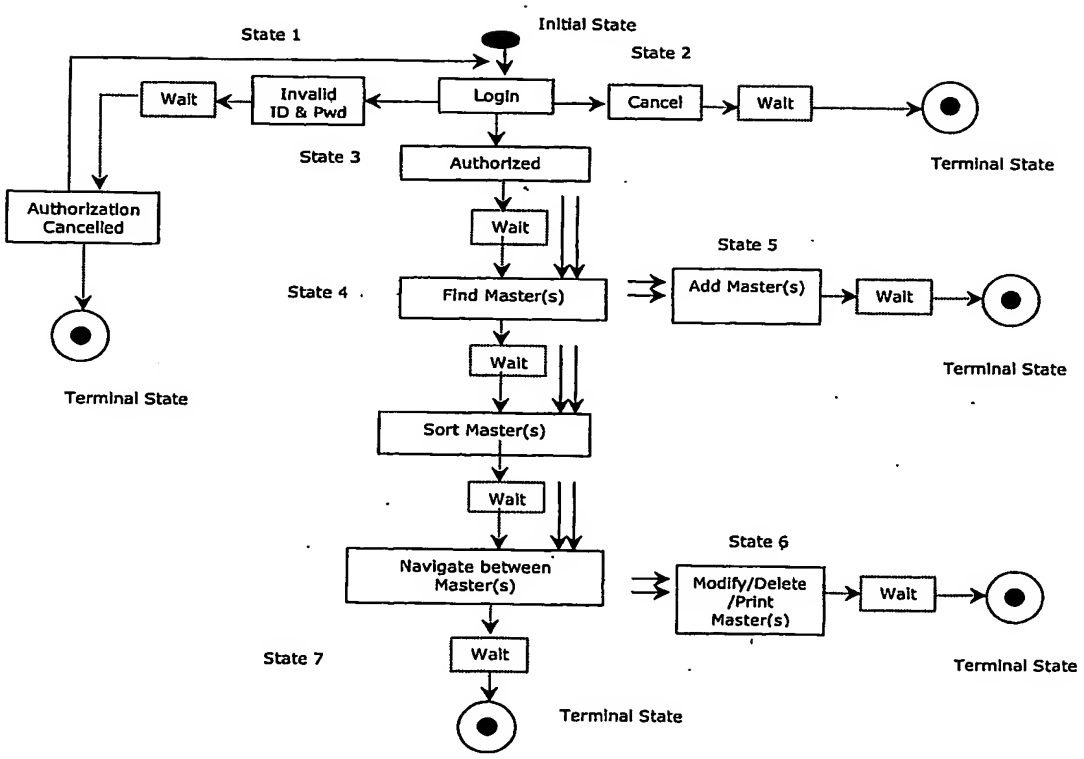

Start
User
Add a Master
Select Criteria
Copy Current Entry
Select Language
No
Yes
Find existing Masters from the Database(s)
Sort and Select Master(s)
Input data in the required fields
Input data in the required fields by Voice Input
Navigate between Masters
Modify Master(s)
Delete Master(s)
Print Master
Input data in all the fields
Input data in all the fields by Voice input
Database(s) updated
NO
Exit the Module
YES
End

FIG 63


Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 5
State 4
Find Master(s)
Add Master(s)
Wait
Terminal State
Wait
Terminal State
Sort Master(s)
Wait
State 6
Navigate between Master(s)
Modify/Delete /Print Master(s)
Wait
Terminal State
State 7
Wait
Terminal State